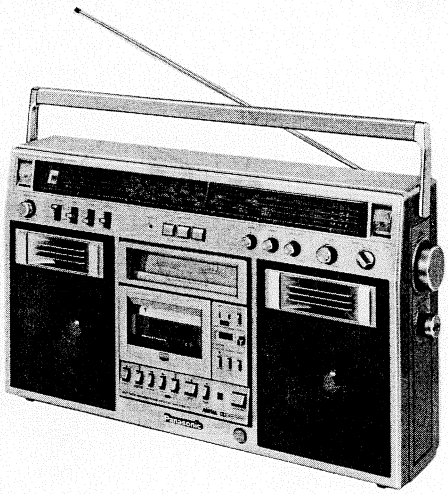
ORDER NO. RD8008-1807C

# Service Manual

Radio Cassette

## FM/LW/MW/SW STEREO RADIO CASSETTE RX-5600LS



### ■ SPECIFICATIONS

| | |
|---|---|
| Power Requirement: | AC; 100~110/115~127/200~220/230~250 V, 50/60 Hz<br>Battery, 12 V (eight-UM-1, D size dry batteries)<br>Car/boat battery; with optional car/boat adaptor RP-952 |
| Power consumption: | 28 W (AC only) |
| Power Output: | 16 W...(RMS max.) |
| Frequency Range: | 40~12,000 Hz (with normal tape)<br>40~14,000 Hz (with FeCr tape)<br>40~14,000 Hz (with $CrO_2$ tape)<br>40~16,000 Hz (with Metal tape) |
| Recording System: | AC bias, AC erase |
| Tape Speed: | 4.8 cm/s, ($1\frac{7}{8}$ ips) |
| Wow and Flutter: | 0.05% (WRMS) |
| Program Time: | 1 hour with C-60 cassette tape |
| Track System: | 4-track stereo recording and playback |
| Input: | MIC; sensitivity 0.26 mV/applicable microphone impedance 200~600Ω (recommended microphone RP-8135)<br>DC IN; 13.2 V<br>PHONO: sensitivity 2.5 mV (47 kΩ over) |
| Output: | EXT SP; 3~8Ω<br>HEADPHONES; 8Ω |
| REC/PB Connection: | 5P DIN type IN; 7.9 mV (50 kΩ over)<br>OUT; 0.42 V (4.7 kΩ under) |
| Speaker: | Woofer; 16 cm ($6\frac{5}{16}$") PM Dynamic speaker (3Ω)<br>Tweeter; 5 cm (2") PM Dynamic speaker (4Ω) |
| Radio Frequency Range: | FM; 87.5~108 MHz<br>LW; 150~285 kHz (2000~1060m)<br>MW; 520~1610 MHz (577~186m)<br>SW; 5.9~18 MHz (50.8~16.7m) |
| Intermediate Frequency: | FM; 10.7 MHz<br>AM; (LW/MW/SW); 455 kHz |
| Sensitivity: | FM; 2μV/50 mW output<br>LW; 170μV/m/50 mW output<br>MW; 100μV/m/50 mW output<br>SW; 6μV/50 mW output |
| Dimensions: | 564mm(W) × 325mm(H) × 162mm(D)<br>[$22\frac{1}{4}$"(W) × $12\frac{3}{4}$"(H) × $6\frac{3}{8}$"(D)] |
| Weight: | 7.4 kg (16 lb. 5 oz.) without batteries |

Specifications are subject to change without notice.

Panasonic

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka, Japan

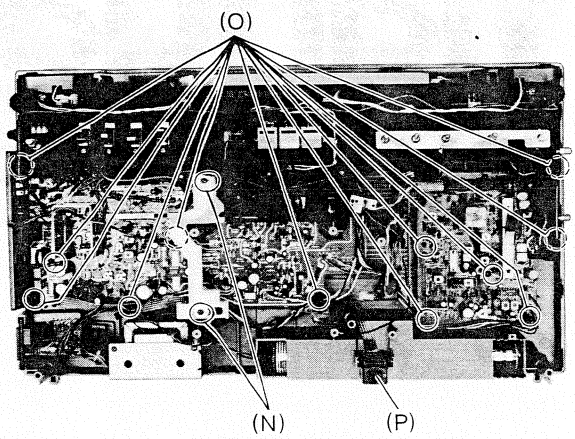



Fig. 10

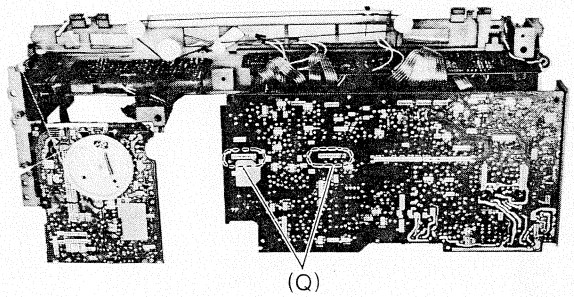



Fig. 11

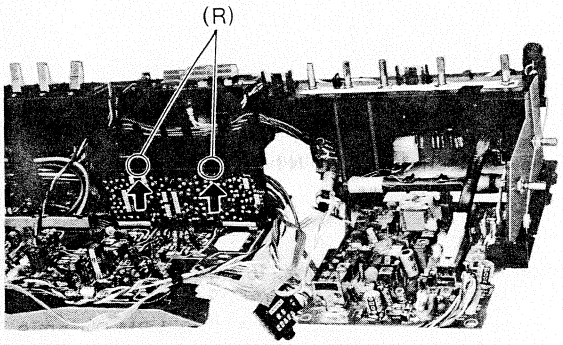



Fig. 12

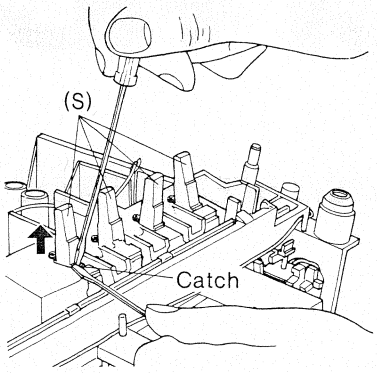



Fig. 13

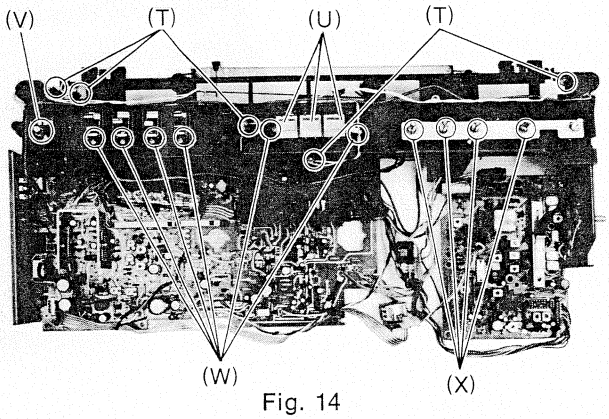



Fig. 14

## ■ HOW TO REPLACE TWEETER

To fix the tweeter, use the bracket and screw as shown in fig. 15.

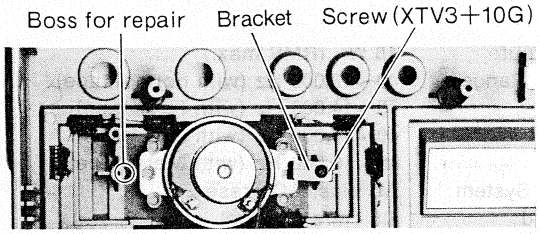



Fig. 15

## ■ CONNECTOR POSITION

- $CP_A$: Antenna connector
- $CP_B$: Audio curcuit board connector
- $CP_1$: Speaker connector
- $CP_2$: Built-in mic connector
- $CP_3$: Plunger connector
- $CP_4$: Erase head connector
- $CP_5$: R/P head connector
- $CP_6$: Volume circuit board connector
- $CP_7$: Motor connector
- $CP_8$: Power source connector
- $CP_9$: Leaf switch connector
- $CP_{10}$: Meter switch connector
- $CP_{11}$: Light switch connector
- $CP_{12}$: Dolby switch connector

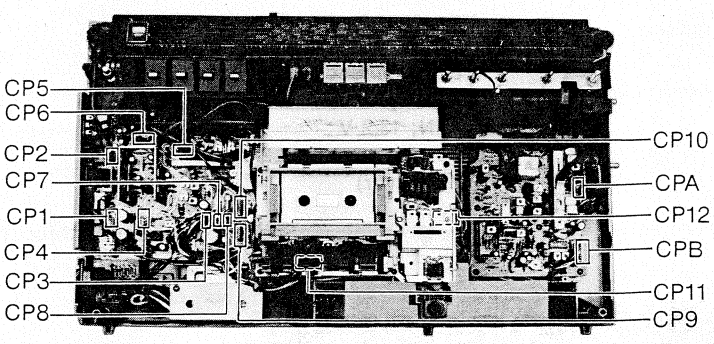



Fig. 16

# LOCATION OF CONTROLS AND COMPONENTS

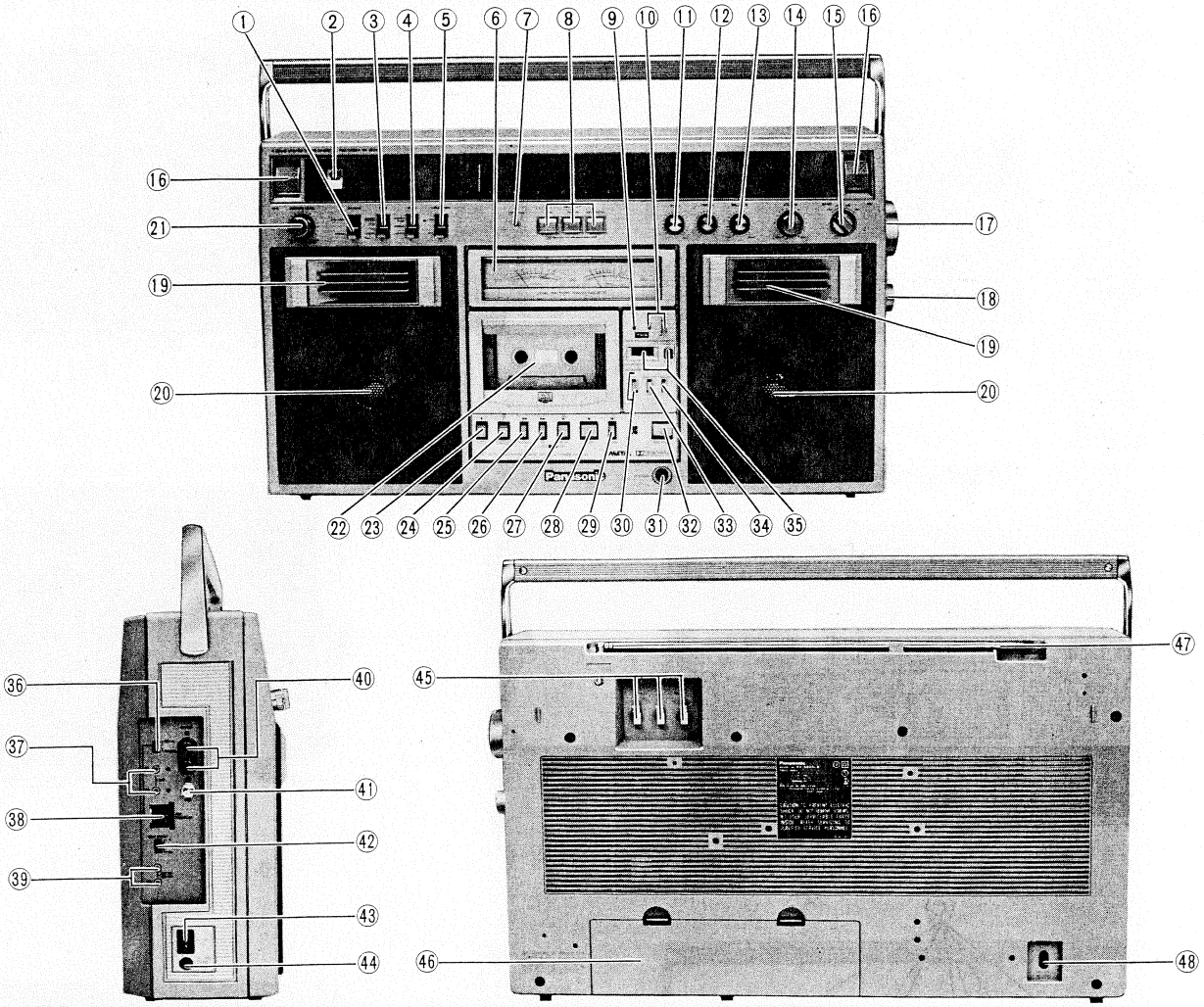
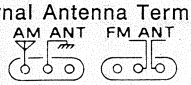


Fig. 1

① Record Mode Selector (EASY-MATIC/MANUAL)
② FM Stereo Indicator (FM STEREO)
③ Tape Selector (METAL/$CrO_2$/FeCr/NORMAL)
④ Mode Selector (STEREO WIDE/STEREO/MONO)
⑤ Loudness Switch (ON/OFF)
⑥ Level Meters (LEVEL/BATTERY/TUNING INDICATOR)
⑦ Operation Indicator (OPERATION)
⑧ Function Selector (TAPE, OFF/RADIO/DIN, PHONO)
⑨ Recording Indicator (REC)
⑩ Tape Program Sensor (TPS) Switch and Indicator (ON/OFF)
⑪ Bass Control (BASS)
⑫ Treble Control (TREBLE)
⑬ Balance Control (BALANCE)
⑭ Volume Control (VOLUME)
⑮ Band Selector (FM/LW/MW/SW)
⑯ Built-in Microphones (MIC)
⑰ Tuning Control (TUNING)
⑱ Fine Tuning Control (FINE TUNING)
⑲ Tweeters (Treble Speakers), 5 cm (2"), 4Ω
⑳ Woofers (Bass Speakers), 16 cm (6½"), 3Ω
㉑ Recording Level Controls (RECORD LEVEL)
㉒ Cassette Compartment
㉓ Eject Button (▲ EJECT)
㉔ Record Button (○ RECORD)
㉕ Rewind Button (◀◀ REWIND)
㉖ Fast Forward Button (▶▶ FF)
㉗ Playback Button (▶ PLAY)
㉘ Stop Button (■ STOP)
㉙ Pause Button (❚❚ PAUSE)
㉚ * Dolby Noise Reduction Switch and Indicator ( IN/ OUT)
㉛ Headphones Jack (PHONES)
㉜ Record Muting Button (REC MUTE)
㉝ Meter Selector (TUNE, BATT/LEVEL)
㉞ Light Switch (PUSH ON)
㉟ Tape Counter and Reset Button (COUNTER)
㊱ Input Selector (DIN IN/PHONO)
㊲ Microphone Jacks (MIC), 0.26 mV, 200~600Ω
㊳ Din Connector Jack (DIN REC/PLAY)
- IN: 7.9 mV, 50 kΩ
- OUT: 0.42 mV, 4.7 kΩ

㊴ External Speaker Jacks (EXT SP), 3~8Ω
㊵ Phono Input Jacks (PHONO), 2.5 mV, 47 kΩ
㊶ Phono-Earth Terminal (⏚)
㊷ Beat Proof Switch (BEAT PROOF)
㊸ AC Socket (AC IN ~)
㊹ DC Input Jack (DC IN 13.2 V ⊖⊖⊕)
㊺ External Antenna Terminals




㊻ Battery Compartment
㊼ Telescopic Antenna
㊽ Voltage Selector (VOLTAGE SELECTOR)

* "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
Noise reduction system manufactured under license from Dolby Laboratories.

# DISASSEMBLY INSTRUCTIONS

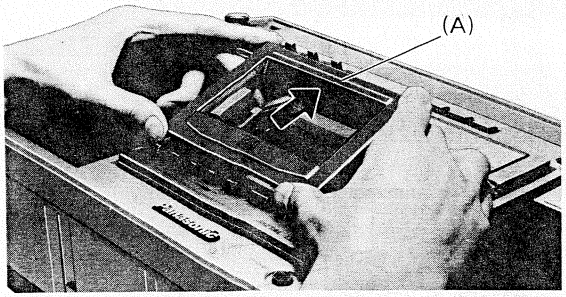



Fig. 2

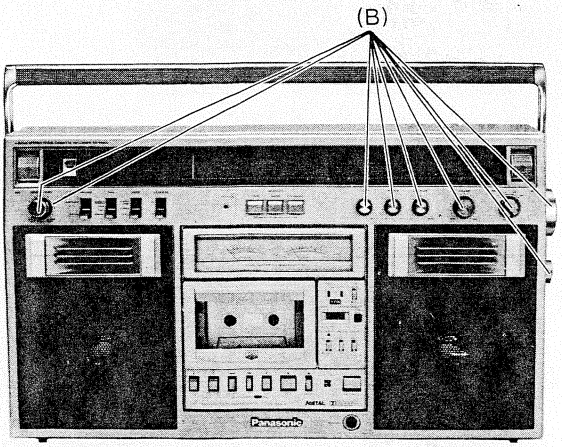



Fig. 3

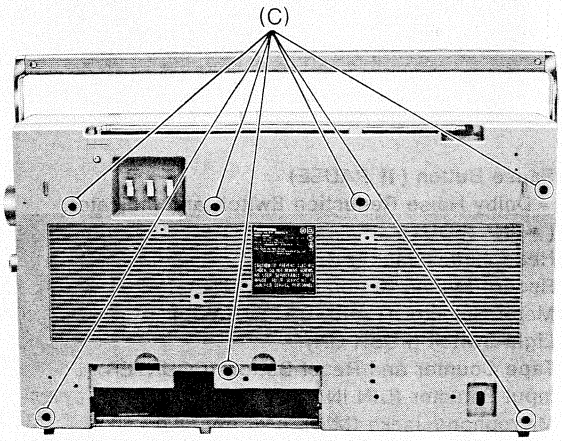



Fig. 4

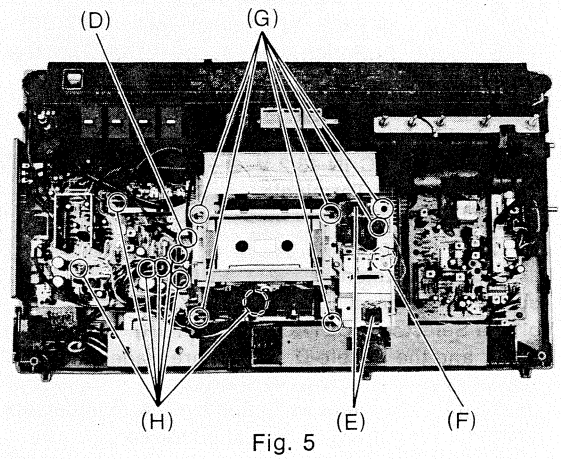



Fig. 5

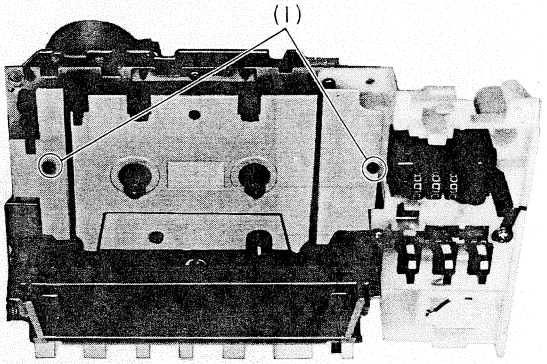



Fig. 6

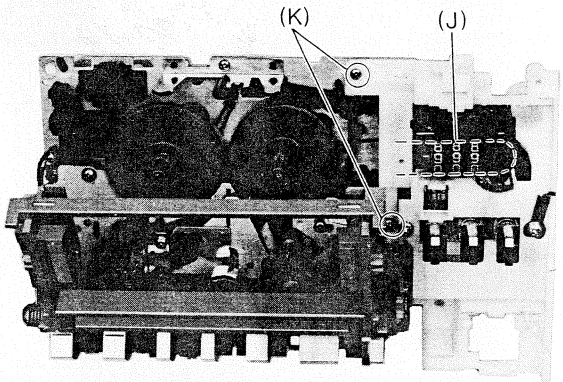



Fig. 7

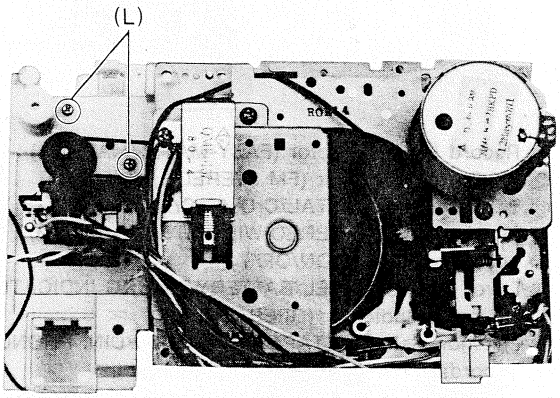



Fig. 8

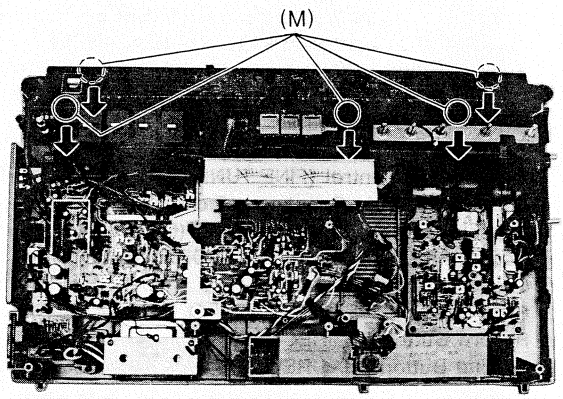



Fig. 9

| Procedure | To remove—. | Remove—. | Shown in Fig.—. |
|---|---|---|---|
| 1 | Front cabinet※ | Remove the cassette panel in the direction of arrow... (A) | 2 |
| 2 | | Knobs .....(B) × 9 | 3 |
| 3 | | Screws (3.5 × 50) .....(C) × 7 | 4 |
| 4 | Mechanism | Spring .....(D) × 1 | 5 |
| 5 | | LED & Rec Mute Switch .....(E) × 2 | 5 |
| 6 | | Socket.....(F) × 1 | 5 |
| 7 | | Red Screws (3 × 12) .....(G) × 6 | 5 |
| 8 | | Sockets .....(H) × 7 | 5 |
| 9 | | Screws (2.6 × 6) .....(I) × 2 | 6 |
| 10 | | Counter Belt .....(J) × 1 | 7 |
| 11 | | Screws (2.6 × 6) .....(K) × 2 | 7 |
| 12 | Tape Counter | Screws (2.6 × 8) .....(L) × 2 | 8 |
| 13 | Dial Scale | Push the catch in the direction of arrows .....(M) × 5 | 9 |
| 14 | R/P Lever | Red Screws (3 × 12) .....(N) × 2 | 10 |
| 15 | Chassis | Red Screws (3 × 12) .....(O) × 12 | 10 |
| 16 | | Pull out headphone jack .....(P) × 1 | 10 |
| 17 | Dolby Circuit Board | Unsolder terminals .....(Q) × 2 | 11 |
| 18 | | Push the catches in the direction of arrows .....(R) × 2 | 12 |
| 19 | Switch Circuit Board | Pull out knos in the direction of arrow .....(S) × 4 | 13 |
| 20 | | Lamp & LED .....(T) × 5 | 14 |
| 21 | | Buttons .....(U) × 3 | 14 |
| 22 | | Nut (9ø) .....(V) × 1 | 14 |
| 23 | | Screws (3 × 6) .....(W) × 6 | 14 |
| 24 | Volume Circuit Board | Nuts (8ø) .....(X) × 4 | 14 |

※Set RECORD selector to EASY-MATIC, TAPE selector to METAL, MODE switch to STEREO WIDE, LOUDNESS switch to ON positions.

# DIAL THREADING

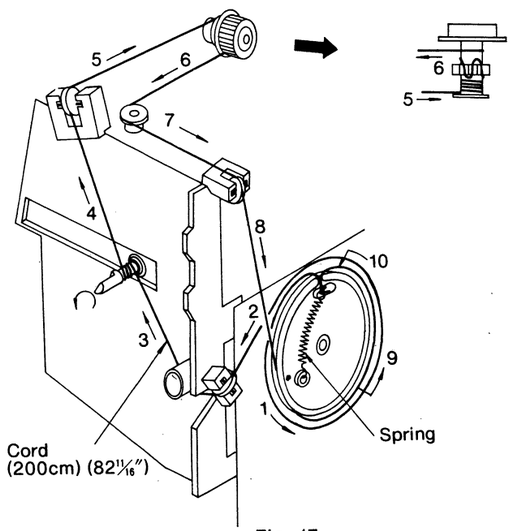



Fig. 17



# BLOCK DIAGRAM

## RADIO CIRCUIT

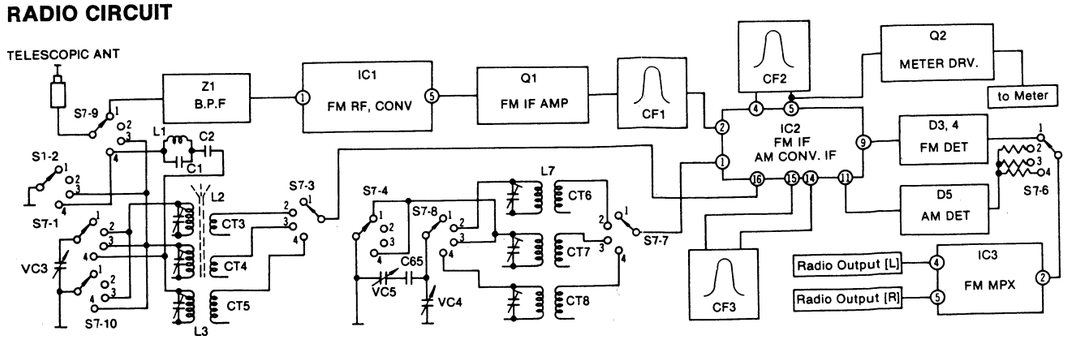



Fig. 18

## AUDIO CIRCUIT

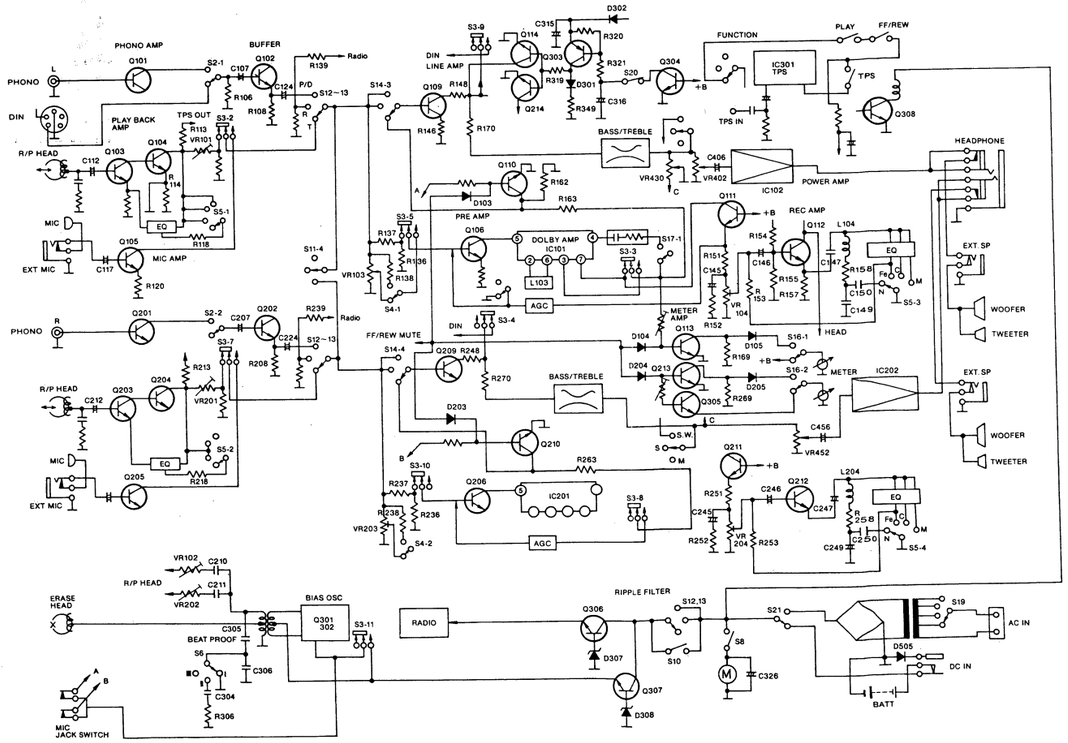
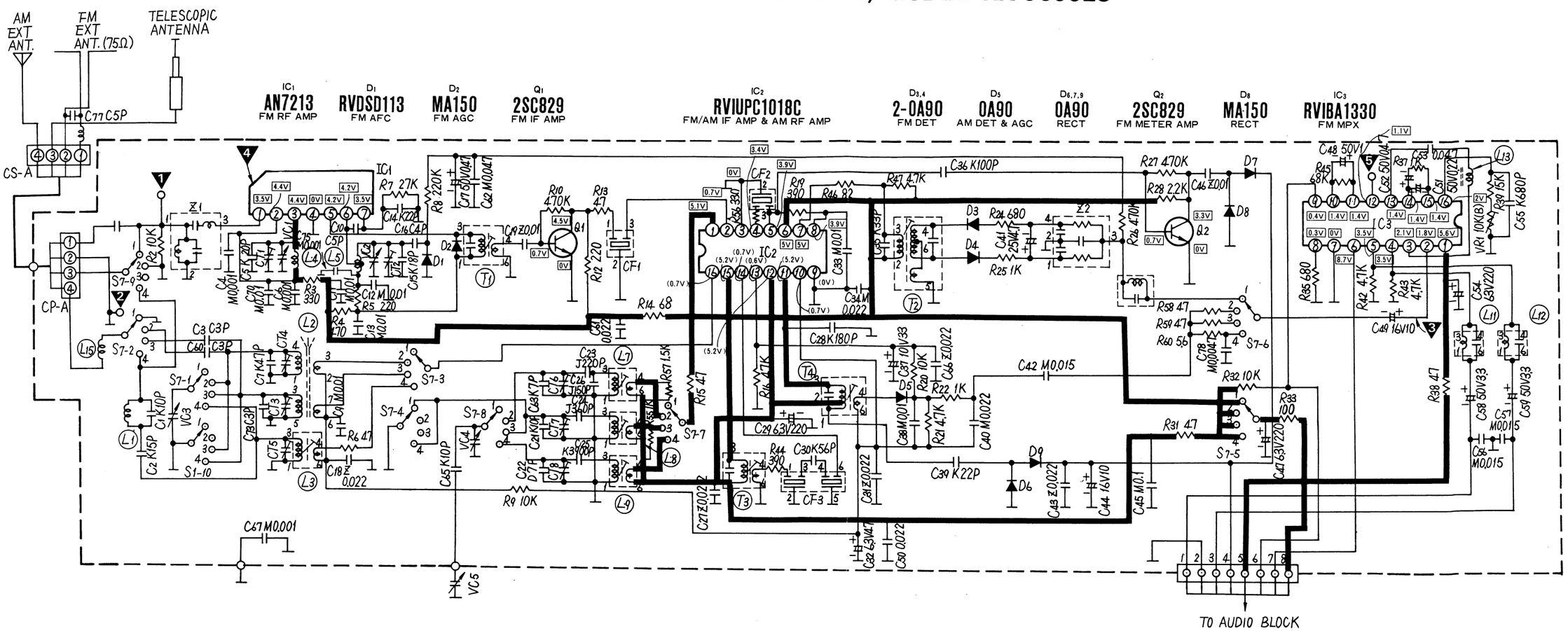



Fig. 19

# SCHEMATIC DIAGRAM (RADIO CIRCUIT) MODEL RX-5600LS

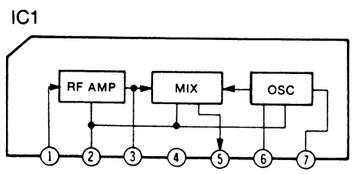



**Notes:**

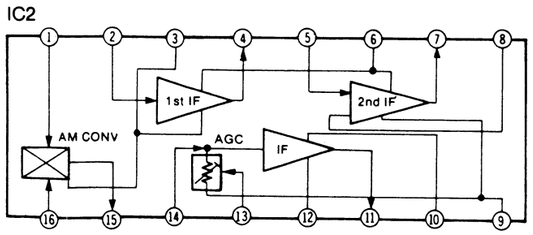
1. $S_{7-1}$～$S_{7-10}$: Band selector switch in "FM" position. (1...FM, 2...LW, 3...MW, 4...SW)
2. DC voltage measurements are taken with electronics voltmeter from negative terminal of battery. □...FM Position, ( )...AM Position
3. Battery current: No signal .....160 mA
   Maximum output (Radio).....1.68 A
4. $VR_1$...VCO Oscillator Frequency Adjust.
5. The mark (▼) shows test point. e.g. ▼=test point 1.

## IC BLOCK DIAGRAM

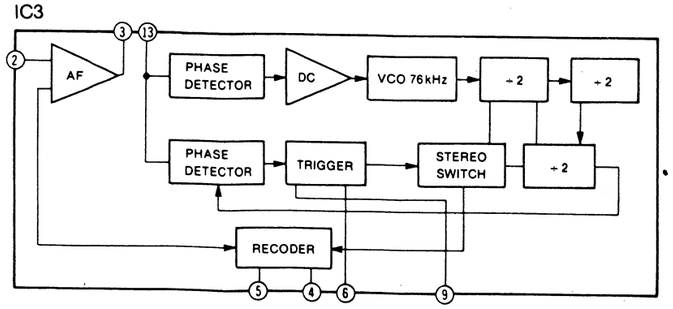
IC1



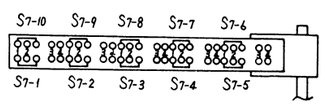

IC2

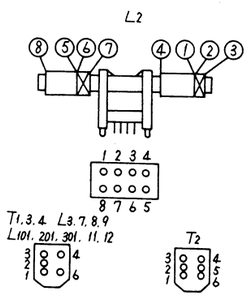


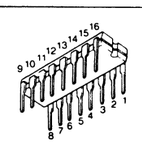
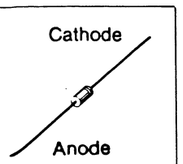
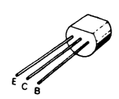
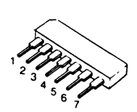

IC3



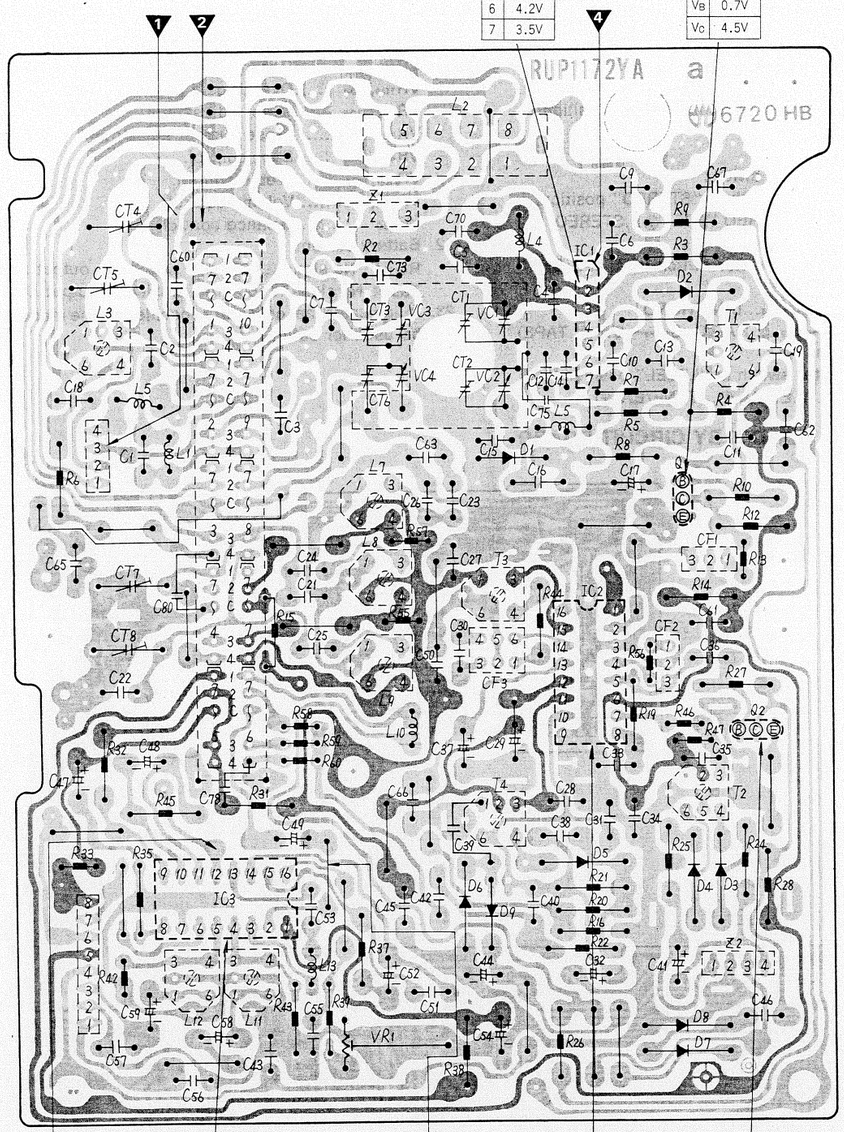

## BOTTOM VIEW




| | | |
|---|---|---|
|  IC2, 3 |  | Cathode / Anode D2, 8 |
|  Q1, 2 | | Cathode / Anode D3, 4 |
|  IC1 | Anode Cathode D1 | Cathode / Anode D5, 6, 7, 9 |

# RADIO CIRCUIT BOARD




IC1

| | FM |
|---|---|
| 1 | 3.5V |
| 2 | 4.4V |
| 3 | 4.4V |
| 4 | 0V |
| 5 | 4.2V |
| 6 | 4.2V |
| 7 | 3.5V |

Q1

| | FM |
|---|---|
| $V_E$ | 0V |
| $V_B$ | 0.7V |
| $V_C$ | 4.5V |

IC3

| | FM | | FM |
|---|---|---|---|
| 1 | 5.6V | 9 | 0.4V |
| 2 | 1.8V | 10 | 1.4V |
| 3 | 2.1V | 11 | 1.4V |
| 4 | 3.5V | 12 | 1.1V |
| 5 | 3.5V | 13 | 1.4V |
| 6 | 8.7V | 14 | 1.4V |
| 7 | 0V | 15 | 1.4V |
| 8 | 0.3V | 16 | 2V |

IC2

| | FM | | AM |
|---|---|---|---|
| 1 | 5.1V | 9 | 0V |
| 2 | 0.7V | 10 | 0.7V |
| 3 | 0V | 11 | 5.2V |
| 4 | 3.4V | 12 | 5.2V |
| 5 | 3.9V | 13 | 0.6V |
| 6 | 5V | 14 | 0.7V |
| 7 | 5V | 15 | 5.2V |
| 8 | 3.9V | 16 | 0.7V |

Q2

| | FM |
|---|---|
| $V_E$ | 0V |
| $V_B$ | 0.7V |
| $V_C$ | 3.3V |





# ALIGNMENTS

## ■ ALIGNMENT INSTRUCTION

READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT

1. Set volume control to maximum.
2. Set tone control to center.
3. Set band switch to MW, LW, SW or FM.
4. Set fine tuning to center.
5. Set function selector to radio.
6. Set power source voltage to 12V DC.
7. Output of signal generator should be no higher than necessary to obtain an output reading.

## ■ LW, MW, AND SW ALIGNMENT

| | BAND | SIGNAL GENERATOR or SWEEP GENERATOR CONNECTIONS | SIGNAL GENERATOR or SWEEP GENERATOR FREQUENCY | RADIO DIAL SETTING | INDICATOR (ELECTRONICS VOLTMETER or SCOPE) | ADJUSTMENT | REMARKS |
|---|---|---|---|---|---|---|---|
| | | | AM IF ALIGNMENT | | | | |
| (1) | MW | Fashion loop of several turns of wire and radiate signal into loop of receiver. | 455 kHz 30% Mod. at 400 Hz | Point of non-interference. | Output meter across voice coil | $T_3$ (AM 1st IFT) $T_4$ (AM 2nd IFT) | Adjust for maximum output. |
| | | | LW-RF ALIGNMENT | | | | |
| (2) | LW | 〃 | 145 kHz | 145 kHz [11.4mm($\frac{15}{32}$")] | Output meter across voice coil | $L_7$ (LW OSC Coil) (＊1) $L_2$ (LW ANT Coil) | Adjust for maximum output. Adjust $L_2$ by moving coil bobbin along ferrite core. |
| (3) | LW | 〃 | 285 kHz | 285 kHz [168.9 mm ($6\frac{21}{32}$")] | 〃 | $CT_6$ (LW OSC Trimmer) $CT_4$ (LW ANT Trimmer) | Adjust for maximum output. Repeat steps (2) and (3). |
| | (＊1) Cement antenna bobbin with wax after completing alignment. | | | | | | |
| | | | MW-RF ALIGNMENT | | | | |
| (4) | MW | 〃 | 550 kHz | 550 kHz [13.1mm($\frac{17}{32}$")] | Output meter across voice coil | $L_8$ (MW OSC Coil) (＊2) $L_2$ (MW ANT Coil) | Adjust for maximum output. Adjust $L_2$ by moving coil bobbin along ferrite core. |
| (5) | MW | 〃 | 1,500 MHz | 1,500 kHz [174.1 mm ($6\frac{7}{8}$")] | 〃 | $CT_7$ (MW OSC Trimmer) $CT_3$ (MW ANT Trimmer) | Adjust for maximum output. Repeat steps (4) and (5). |
| | (＊2) Cement antenna bobbin with wax after completing alignment. | | | | | | |
| | | | SW-RF ALIGNMENT | | | | |
| (6) | SW | Connect to EXT ant. terminal through ceramic capacitor (10 PF). Negative side to earth. | 6 MHz | 6 MHz [8 mm ($\frac{5}{16}$")] | Output meter across voice coil | $L_9$ (SW OSC Coil) $L_3$ (SW ANT Coil) | Adjust for maximum output. |
| (7) | SW | | 18 MHz | 18 MHz [189.5 mm ($7\frac{13}{32}$")] | 〃 | $CT_8$ (SW OSC Trimmer) $CT_5$ (SW ANT Trimmer) | Adjust for maximum output. Repeat steps (6) and (7). |

## ■ FM ALIGNMENT

| | BAND | SIGNAL GENERATOR or SWEEP GENERATOR CONNECTIONS | SIGNAL GENERATOR or SWEEP GENERATOR FREQUENCY | RADIO DIAL SETTING | INDICATOR (VTVM or SCOPE) | ADJUSTMENT | REMARKS |
|---|---|---|---|---|---|---|---|
| (1) | FM | Connect to test point ▼ through 0.001μF. Negative side to earth. | 10.7 MHz | Point of non-interference. | Connect vert. amp. of scope to test point ▼. Negative side to test point ▼. | $T_1$ (FM IFT) (Primary) | Adjust for maximum amplitude. (Refer to fig. 20.) |
| (2) | FM | 〃 | 〃 | 〃 | 〃 | $T_2$ (FM IFT) (Secondary) | Adjust for maximum amplitude. (Refer to fig. 21.) |
| | | | FM-RF ALIGNMENT | | | | |
| (3) | FM | Connect to test point ▼ through FM dummy antenna. (Refer to fig. 22.) | 87.5 MHz | Variable capacitur fully closed. | Output meter across voice coil. | $L_5$ (FM OSC Coil) | (＊3) Adjust for maximum output. |
| (4) | FM | 〃 | 90 MHz | 90 MHz [24.3 mm($\frac{31}{32}$")] | 〃 | $L_4$ (FM TUNE Coil) | (＊3) Adjust for maximum output. |
| (5) | FM | 〃 | 106 MHz | 106 MHz [171.1 mm ($6\frac{3}{4}$")] | 〃 | $CT_2$ (FM OSC Trimmer) $CT_1$ (FM TUNE Trimmer) | (＊3) Adjust for maximum output. Repeat steps. (3)～(5). |

(＊3) Three output responses will be present; proper tuning is the center frequency.

# ALIGNMENTS

## ■ ALIGNMENT INSTRUCTION

**READ CAREFULLY BEFORE ATTEMPTING ALIGNMENT**

1. Set volume control to maximum.
2. Set tone control to center.
3. Set band switch to MW, LW, SW or FM.
4. Set fine tuning to center.
5. Set function selector to radio.
6. Set power source voltage to 12V DC.
7. Output of signal generator should be no higher than necessary to obtain an output reading.

## ■ LW, MW, AND SW ALIGNMENT

| | BAND | SIGNAL GENERATOR or SWEEP GENERATOR CONNECTIONS | SIGNAL GENERATOR or SWEEP GENERATOR FREQUENCY | RADIO DIAL SETTING | INDICATOR (ELECTRONICS VOLTMETER or SCOPE) | ADJUSTMENT | REMARKS |
|---|---|---|---|---|---|---|---|
| | | AM IF ALIGNMENT | | | | | |
| (1) | MW | Fashion loop of several turns of wire and radiate signal into loop of receiver. | 455 kHz 30% Mod. at 400 Hz | Point of non-interference. | Output meter across voice coil | $T_3$ (AM 1st IFT) $T_4$ (AM 2nd IFT) | Adjust for maximum output. |
| | | LW-RF ALIGNMENT | | | | | |
| (2) | LW | 〃 | 145 kHz | 145 kHz [11.4mm($\frac{18}{32}$")] | Output meter across voice coil | $L_7$ (LW OSC Coil) (＊1) $L_2$ (LW ANT Coil) | Adjust for maximum output. Adjust $L_2$ by moving coil bobbin along ferrite core. |
| (3) | LW | 〃 | 285 kHz | 285 kHz [168.9 mm ($6\frac{21}{32}$")] | 〃 | $CT_6$ (LW OSC Trimmer) $CT_4$ (LW ANT Trimmer) | Adjust for maximum output. Repeat steps (2) and (3). |
| | (＊1) Cement antenna bobbin with wax after completing alignment. | | | | | | |
| | | MW-RF ALIGNMENT | | | | | |
| (4) | MW | 〃 | 550 kHz | 550 kHz [13.1mm($\frac{17}{32}$")] | Output meter across voice coil | $L_8$ (MW OSC Coil) (＊2) $L_2$ (MW ANT Coil) | Adjust for maximum output. Adjust $L_2$ by moving coil bobbin along ferrite core. |
| (5) | MW | 〃 | 1,500 MHz | 1,500 kHz [174.1 mm ($6\frac{7}{8}$")] | 〃 | $CT_7$ (MW OSC Trimmer) $CT_3$ (MW ANT Trimmer) | Adjust for maximum output. Repeat steps (4) and (5). |
| | (＊2) Cement antenna bobbin with wax after completing alignment. | | | | | | |
| | | SW-RF ALIGNMENT | | | | | |
| (6) | SW | Connect to EXT ant. terminal through ceramic capacitor (10 PF). Negative side to earth. | 6 MHz | 6 MHz [8 mm ($\frac{5}{16}$")] | Output meter across voice coil | $L_9$ (SW OSC Coil) $L_3$ (SW ANT Coil) | Adjust for maximum output. |
| (7) | SW | | 18 MHz | 18 MHz [189.5 mm ($7\frac{13}{32}$")] | 〃 | $CT_8$ (SW OSC Trimmer) $CT_5$ (SW ANT Trimmer) | Adjust for maximum output. Repeat steps (6) and (7). |

## ■ FM ALIGNMENT

| | BAND | SIGNAL GENERATOR or SWEEP GENERATOR CONNECTIONS | SIGNAL GENERATOR or SWEEP GENERATOR FREQUENCY | RADIO DIAL SETTING | INDICATOR (VTVM or SCOPE) | ADJUSTMENT | REMARKS |
|---|---|---|---|---|---|---|---|
| (1) | FM | Connect to test point ▼ through 0.001$\mu$F. Negative side to earth. | 10.7 MHz | Point of non-interference. | Connect vert. amp. of scope to test point ▼. Negative side to test point ▼. | $T_1$ (FM IFT) (Primary) | Adjust for maximum amplitude. (Refer to fig. 20.) |
| (2) | FM | 〃 | 〃 | 〃 | 〃 | $T_2$ (FM IFT) (Secondary) | Adjust for maximum amplitude. (Refer to fig. 21.) |
| | | FM-RF ALIGNMENT | | | | | |
| (3) | FM | Connect to test point ▼ through FM dummy antenna. (Refer to fig. 22.) | 87.5 MHz | Variable capacitur fully closed. | Output meter across voice coil. | $L_5$ (FM OSC Coil) | (＊3) Adjust for maximum output. |
| (4) | FM | 〃 | 90 MHz | 90 MHz [24.3 mm($\frac{31}{32}$")] | 〃 | $L_4$ (FM TUNE Coil) | (＊3) Adjust for maximum output. |
| (5) | FM | 〃 | 106 MHz | 106 MHz [171.1 mm ($6\frac{3}{4}$")] | 〃 | $CT_2$ (FM OSC Trimmer) $CT_1$ (FM TUNE Trimmer) | (＊3) Adjust for maximum output. Repeat steps. (3)～(5). |

(＊3) Three output responses will be present; proper tuning is the center frequency.





## ■ SEPARATION ALIGNMENT

| ITEM | SIGNAL 90 MHz, 60 dB SOURCE CONNECTION | EQUIPMENT CONNECTION ELECTRONIC COUNTER | ADJUSTMENT | SPECIFICATION | REMARKS |
|---|---|---|---|---|---|
| Adjustment of pilot signal. | —— | ▼...(+) side ▼...(−) side | $VR_1$ | 19 kHz | Adjust $VR_1$ for 19 kHz (±150 Hz) reading on electronics counter. |

## ■ AUDIO ADJUSTMENT

| ITEM | INPUT | MEASUREMENT POINT | SPECIFICATION | ADJUSTMENT POINT | REMARKS |
|---|---|---|---|---|---|
| Azimuth | QZZCFM (8 kHz, −20 dB) | EXT SP | Maximum output | Azimuth screw | Playback mode |
| Playback level | QZZCFM (315 Hz, 0 dB) | ▼ (Lch), ▼ (Rch) ▼(−) | 0.42±0.02 V | $VR_{101}$ (Lch) $VR_{201}$ (Rch) | Playback mode |
| VU meter | QZZCFM (315 Hz, 0 dB) | Meter | "0" point 0±1 dB | $VR_{105}$ (Lch) $VR_{205}$ (Rch) | Playback mode |
| Bias oscillation frequency | —— | ▼...(+) ▼...(−) | 66±0.5 kHz | $L_{301}$ | Record mode Beat proof switch→III Tape selector→ $CrO_2$ |
| Erase current | Use metal tape | ▼...(+) ▼...(−) | 150 +3 mV −7 | $VR_{301}$ | Record mode Beat proof switch→III Tape selector→Metal |
| Bias trap | —— | ▼ (Lch) ▼ (Rch) ▼...(−) | 0±0.5 dB | $L_{101}$ (Lch) $L_{201}$ (Rch) | Record mode Beat proof switch...I→II→III |
| Bias current | Use metal tape | ▼ (Lch) ▼ (Rch) ▼...(−) | Metal 8±0.3 mV $CrO_2$ 4.8±0.3 mV FeCr 4.2±0.3 mV Normal 3.8±0.3 mV | Metal $VR_{102}$ (Lch) $VR_{202}$ (Rch) Normal $VR_{302}$ | Record mode Beat proof switch→III Tape selector→Metal |
| Overall gain | DIN IN (1 kHz, −13 dB) | ▼ (Lch) ▼ (Rch) ▼...(−) | 250±10 mV | $VR_{104}$ (Lch) $VR_{204}$ (Rch) | ① Set recording mode and adjust $VR_{103, 203}$ (REC LEVEL) for 250 mV reading on electronics voltmeter. ② Record the signal. (1 kHz/−13 dB). ③ Playback the recorded tape and make sure the value at ▼, ▼ on electronics voltmeter becomes 250±10 mV. |

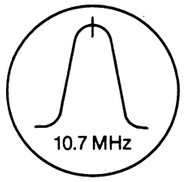



Fig. 20

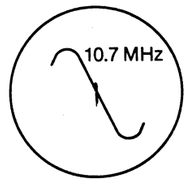



Fig. 21

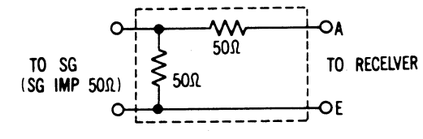



Fig. 22 FM Dummy Antenna

## ■ ALIGNMENT POINTS

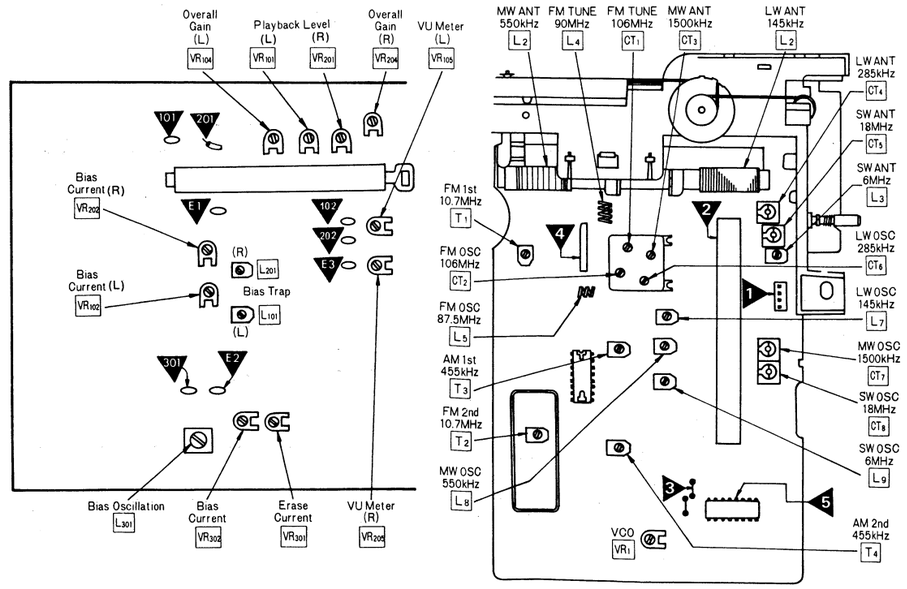
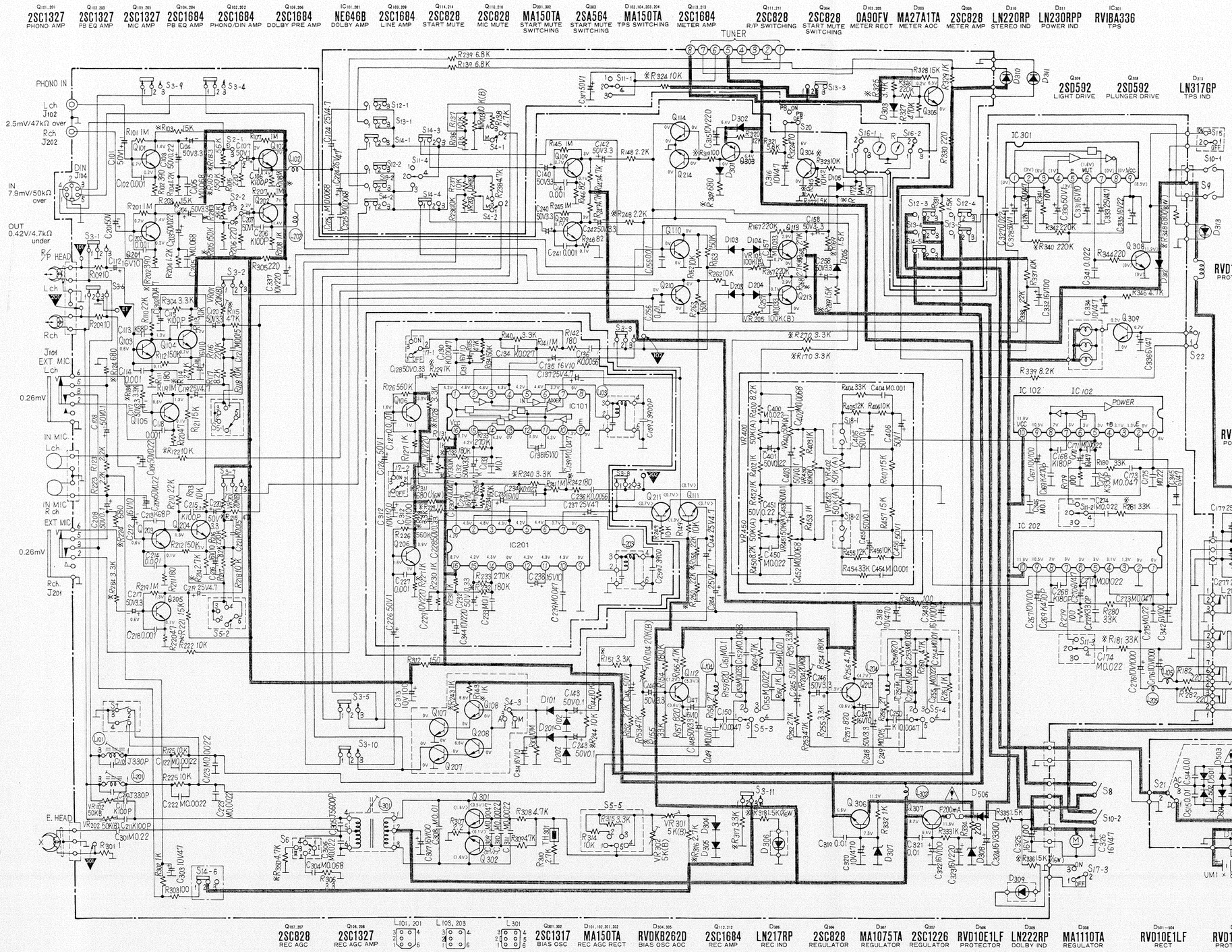



Fig. 23

RX-5600LS RX-5600LS

# SCHEMATIC DIAGAM (AUDIO CIRCUIT) MODEL RX-5600LS



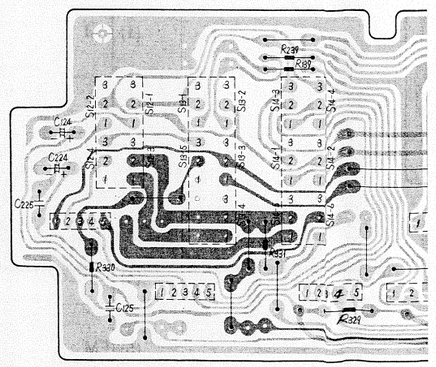

BIAS FREQUENCY 66±0.5 kHz
BIAS VOLTAGE 8±0.3 mV (Metal)
4.8±0.3 mV ($CrO_2$)
4.2±0.3 mV (FeCr)
3.8±0.3 mV (Normal)
OVERALL FREQUENCY RESPONSE (Dolby→OUT)

| | | |
|---|---|---|
| Metal | 100 Hz | 1±3 dB |
| | 1 kHz | 0 dB |
| | 10 kHz | 1±5 dB |
| $CrO_2$ | 100 Hz | 1±3 dB |
| | 1 kHz | 0 dB |
| | 10 kHz | 1±5 dB |
| FeCr | 100 Hz | 0±3 dB |
| | 1 kHz | 0 dB |
| | 10 kHz | 1±5 dB |
| Normal | 100 Hz | 1±3 dB |
| | 1 kHz | 0 dB |
| | 10 kHz | 2.5±5 dB |

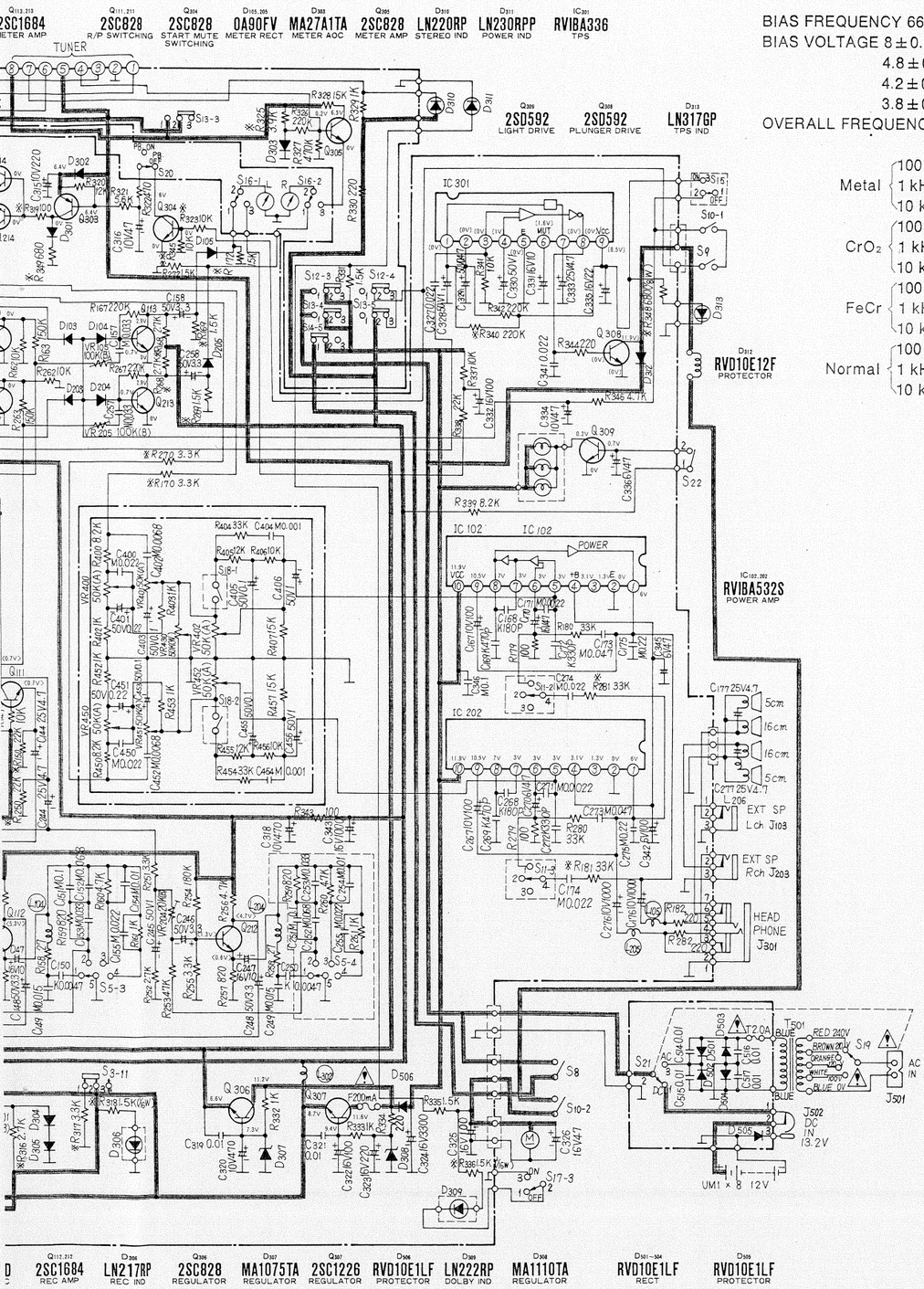
**Notes:**

1. $S_{2-1}$, $S_{2-2}$: Phon (①...I
2. $S_{3-1}$~$S_{3-11}$: Rec pos
3. $S_{4-1}$~$S_{4-3}$: Reco posit (①..
4. $S_{5-1}$~$S_{5-5}$: Tape posit (①.. ④...
5. $S_6$: Beat proof s (①...I, ②...I
6. $S_7$: Rec mute O
7. $S_8$: Playback sw
8. $S_9$: FF/REW swit
9. $S_{10-1}$, $S_{10-2}$: Play
10. $S_{11-1}$~$S_{11-4}$: Mo (④ ③..
11. $S_{12}$~$S_{14}$: Functi positic ($S_{12-1}$ $S_{13-1}$~
12. $S_{15}$: TPS switch.
13. $S_{16-1}$, $S_{16-2}$: Met (①..

## ■ SWITCH CIRCUIT BOARD



# AUDIO CIRCUIT) MODEL RX-5600LS




BIAS FREQUENCY 66±0.5 kHz
BIAS VOLTAGE 8±0.3 mV (Metal)
4.8±0.3 mV ($CrO_2$)
4.2±0.3 mV (FeCr)
3.8±0.3 mV (Normal)

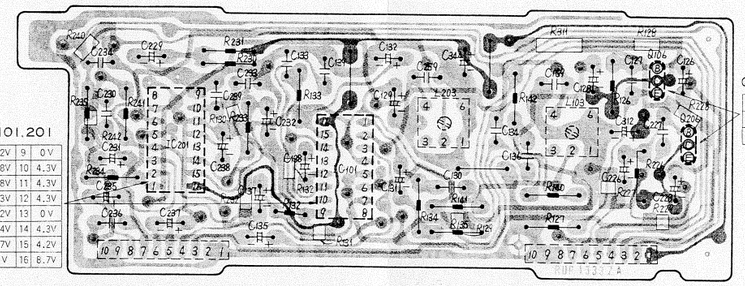
OVERALL FREQUENCY RESPONSE (Dolby→OUT)

| | | |
|---|---|---|
| Metal | 100 Hz | 1±3 dB |
| | 1 kHz | 0 dB |
| | 10 kHz | 1±5 dB |
| $CrO_2$ | 100 Hz | 1±3 dB |
| | 1 kHz | 0 dB |
| | 10 kHz | 1±5 dB |
| FeCr | 100 Hz | 0±3 dB |
| | 1 kHz | 0 dB |
| | 10 kHz | 1±5 dB |
| Normal | 100 Hz | 1±3 dB |
| | 1 kHz | 0 dB |
| | 10 kHz | 2.5±5 dB |

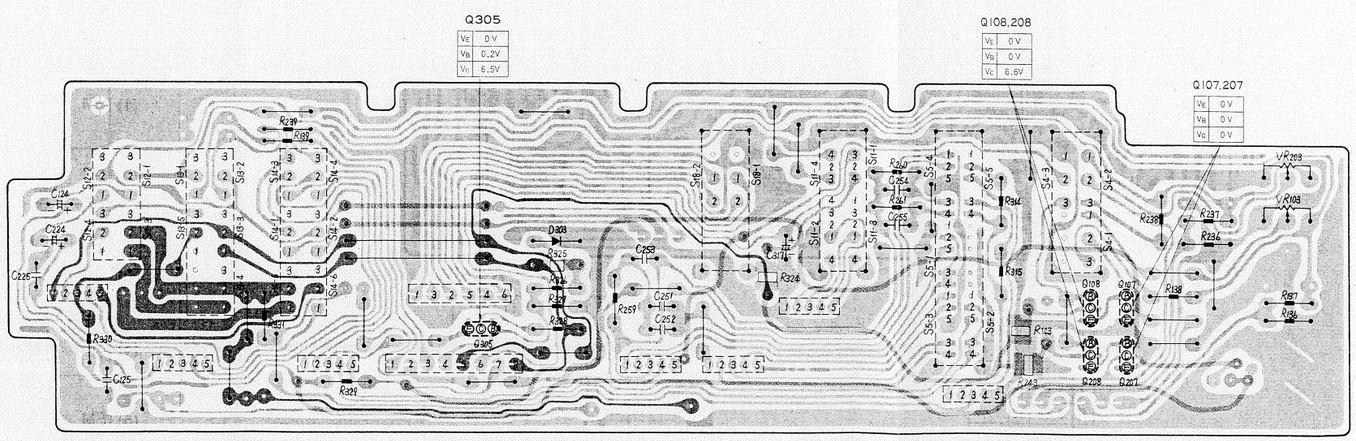
**Notes:**

1. $S_{2-1}$, $S_{2-2}$: Phono/Din in switch in "PHONO" position. (①...PHONO, ③...DIN IN)
2. $S_{3-1}$～$S_{3-11}$: Recording/Playback switch in "Play" position.
3. $S_{4-1}$～$S_{4-3}$: Recording mode switch in "MANUAL" position. (①...MANUAL, ③...EASY-MATIC)
4. $S_{5-1}$～$S_{5-5}$: Tape selector switch in "NORMAL" position. (①...NORMAL, ②...FeCr, ③...$CrO_2$, ④...METAL)
5. $S_6$: Beat proof switch in " I " position. (①...I, ②...II, ③...III)
6. $S_7$: Rec mute ON/OFF switch in "OFF" position.
7. $S_8$: Playback switch.
8. $S_9$: FF/REW switch.
9. $S_{10-1}$, $S_{10-2}$: Playback switch.
10. $S_{11-1}$～$S_{11-4}$: Mode switch in "STEREO" position. (①...STEREO WIDE, ②...STEREO, ③...MONO)
11. $S_{12}$～$S_{14}$: Function selector switch in "TAPE/OFF" position. ($S_{12-1}$～$S_{12-4}$...DIN/PHONO, $S_{13-1}$～$S_{13-5}$...RADIO, $S_{14-1}$～$S_{14-6}$...TAPE)
12. $S_{15}$: TPS switch.
13. $S_{16-1}$, $S_{16-2}$: Meter switch in "LEVEL" position. (①...LEVEL, ②...TUNE/BATT)
14. $S_{17-1}$～$S_{17-3}$: Dolby switch in "OUT" position.
15. $S_{18-1}$, $S_{18-2}$: Loudness switch in "OFF" position.
16. $S_{19}$: Voltage selector switch.
17. $S_{20}$: Muting switch in "OFF" position.
18. $S_{21}$: AC/DC selector switch.
19. $S_{22}$: Light switch.
20. DC voltage measurements are taken with electronics voltmeter based on negative terminal of battery. 〈 〉...Recording position, [ ]...TPS ON position, $Q_{309}$...Light ON position.
21. $VR_{101,\ 201}$ .....Playback level adjustment.
    $VR_{102,\ 202,\ 302}$...Bias current adjustment.
    $VR_{103,\ 203}$ .....Recording level adjustment.
    $VR_{104,\ 204}$ .....Overall gain adjustment.
    $VR_{105,\ 205}$ .....Meter adjustment.
    $VR_{301}$ .....Erase current adjustment.
    $VR_{400,\ 450}$ .....Bass control.
    $VR_{401,\ 451}$ .....Treble control.
    $VR_{402,\ 452}$ .....Volume control.
    $VR_{430}$ .....Balance control.
22. Battery current.
    Radio: No signal...160 mA Maximum output...1.68A
    Tape: No signal...160 mA Maximum output...1.8A
23. ⚠ indicates that only parts specified by the manufacture be used for safety.

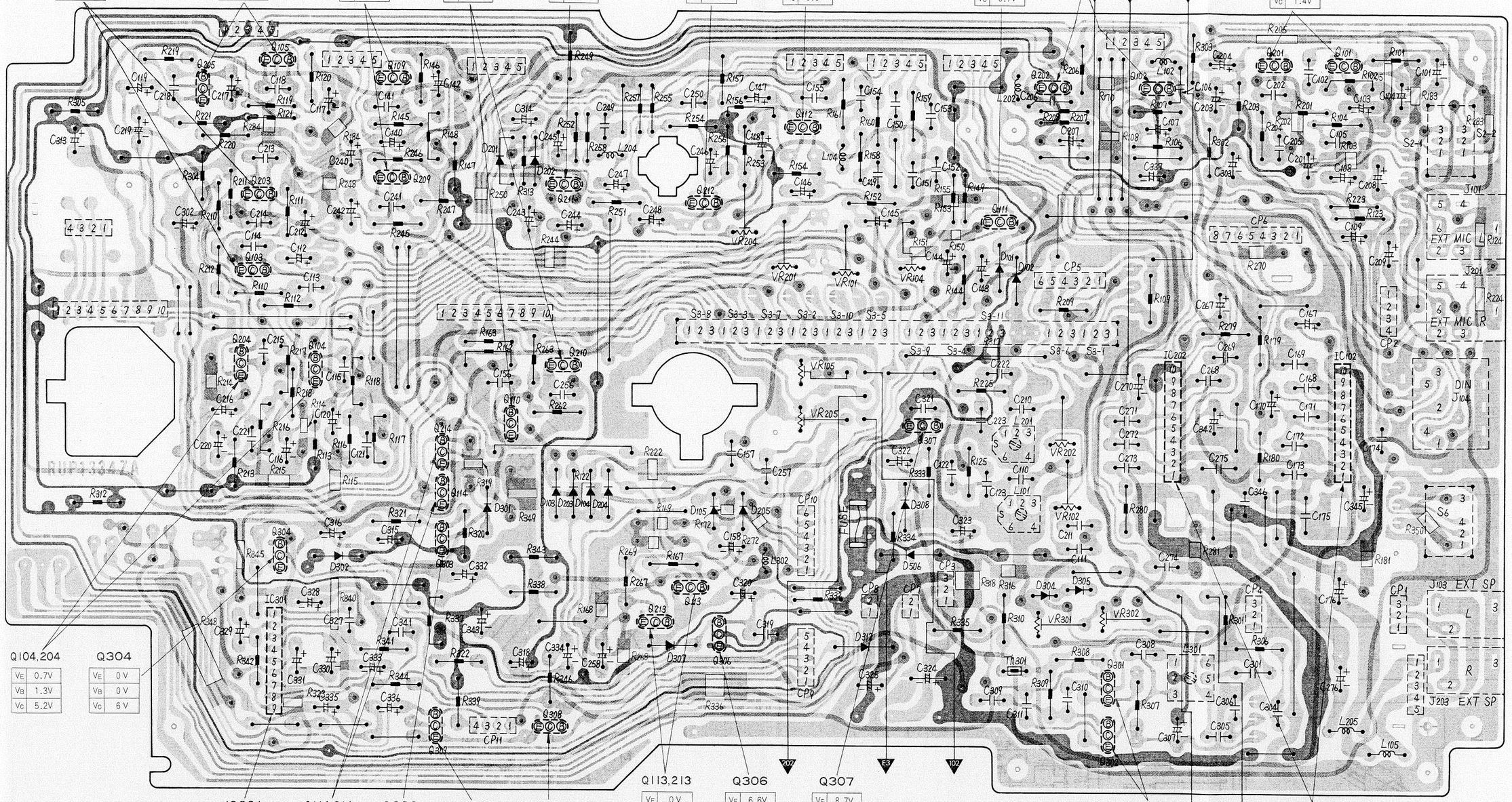
## ■ DOLBY CIRCUIT BOARD




## ■ SWITCH CIRCUIT BOARD



# AUDIO CIRCUIT BOARD



Q103,203

| | |
|---|---|
| VE | 0.1V |
| VB | 0.6V |
| VC | 1.3V |

Q105,205

| | |
|---|---|
| VE | 0.1V |
| VB | 0.6V |
| VC | 1.3V |

Q109,209

| | |
|---|---|
| VE | 0.1V |
| VB | 0.7V |
| VC | 3V |

Q110,210

| | |
|---|---|
| VE | 0V |
| VB | 0V |
| VC | 0V |

Q111

| | REC |
|---|---|
| VE | 0.7V |
| VB | 1.3V |
| VC | 0.7V |

Q212

| | REC |
|---|---|
| VE | 0.6V |
| VB | 1.3V |
| VC | 4.7V |

Q112

| | REC |
|---|---|
| VE | 0.6V |
| VB | 1.2V |
| VC | 5.3V |

Q211

| | REC |
|---|---|
| VE | 0.7V |
| VB | 1.3V |
| VC | 0.7V |

Q102,202

| | |
|---|---|
| VE | 1.4V |
| VB | 2V |
| VC | 7V |

Q101,201

| | |
|---|---|
| VE | 0.2V |
| VB | 0.7V |
| VC | 1.4V |

Q104,204

| | |
|---|---|
| VE | 0.7V |
| VB | 1.3V |
| VC | 5.2V |

Q304

| | |
|---|---|
| VE | 0V |
| VB | 0V |
| VC | 6V |

IC301

| | TPS ON | | |
|---|---|---|---|
| 1 | 0V | 6 | 1.6V |
| 2 | 0V | 7 | 0V |
| 3 | 0V | 8 | 0V |
| 4 | 1V | 9 | 8.5V |
| 5 | 0V | | |

Q114,214

| | |
|---|---|
| VE | 0V |
| VB | 0V |
| VC | 0V |

Q303

| | |
|---|---|
| VE | 6.4V |
| VB | 6.4V |
| VC | 0V |

Q309

| | LIGHT ON |
|---|---|
| VE | 0V |
| VB | 0.7V |
| VC | 0.2V |

Q308

| | TPS ON |
|---|---|
| VE | 0V |
| VB | 0V |
| VC | 11.9V |

Q113,213

| | |
|---|---|
| VE | 0V |
| VB | 0.7V |
| VC | 2.9V |

Q306

| | |
|---|---|
| VE | 6.6V |
| VB | 7.3V |
| VC | 11.2V |

Q307

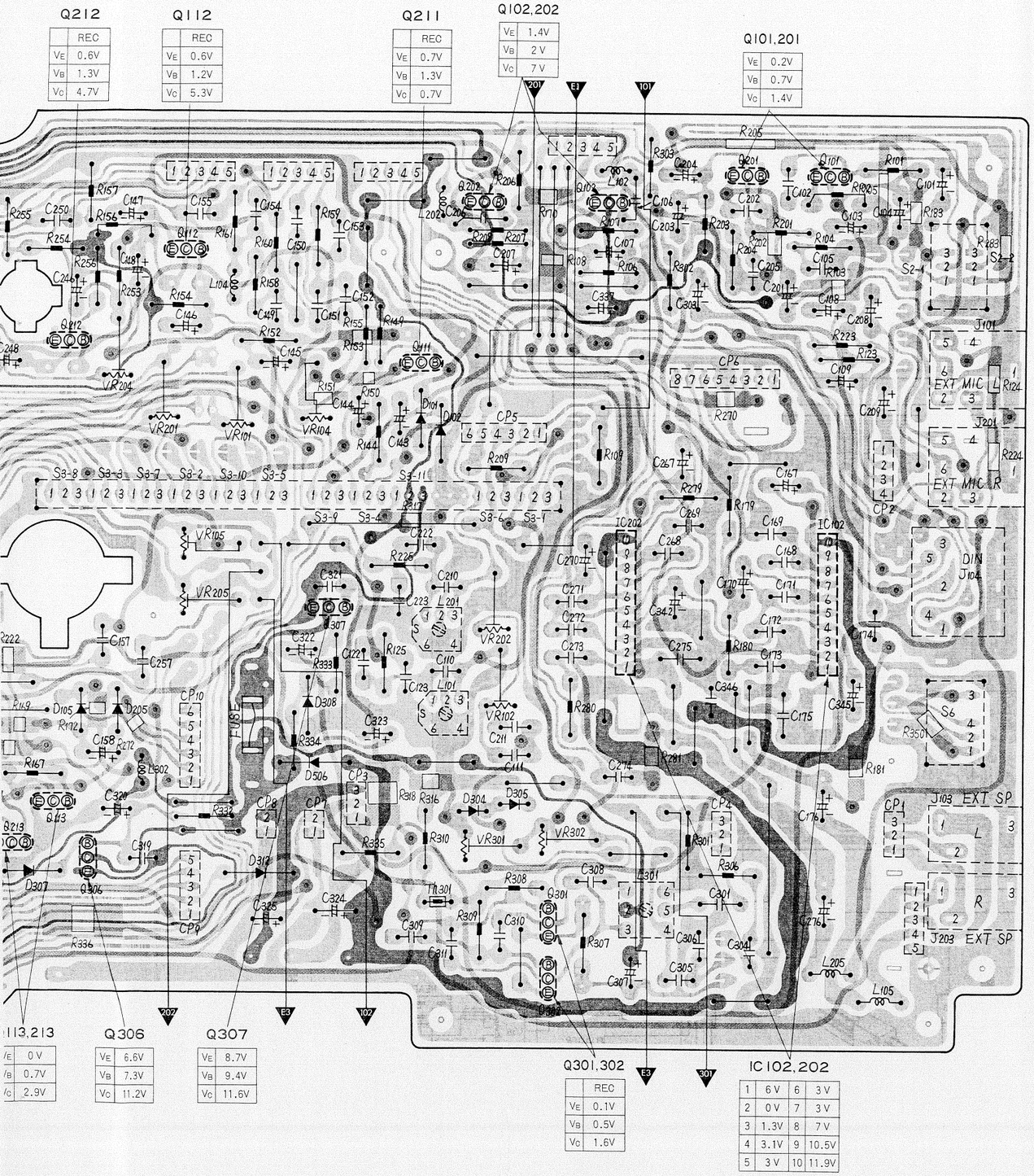
| | |
|---|---|
| VE | 8.7V |
| VB | 9.4V |
| VC | 11.6V |

Q301,302

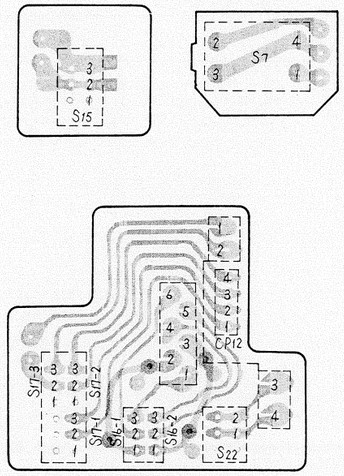
| | REC |
|---|---|
| VE | 0.1V |
| VB | 0.5V |
| VC | 1.6V |

IC102,202

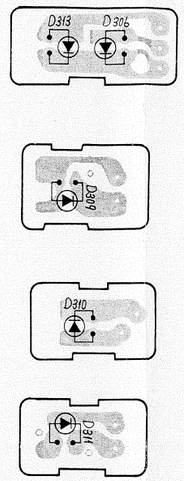
| | | | |
|---|---|---|---|
| 1 | 6V | 6 | 3V |
| 2 | 0V | 7 | 3V |
| 3 | 1.3V | 8 | 7V |
| 4 | 3.1V | 9 | 10.5V |
| 5 | 3V | 10 | 11.9V |



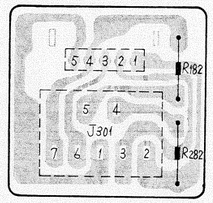

## ■ SWITCH CIRCUIT BOARD



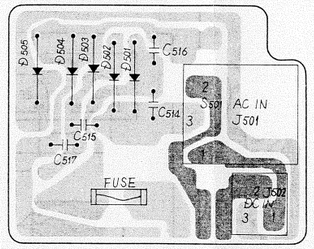
## ■ LED CIRCUIT BOARD

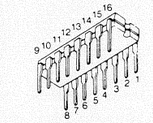
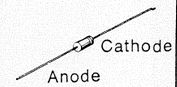
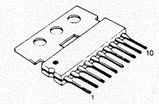
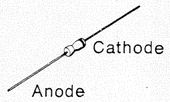
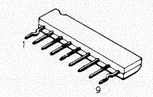
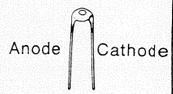
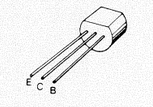
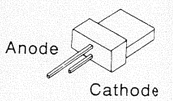
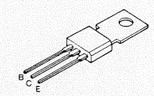
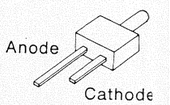


## ■ HEADPHONE CIRCUIT BOARD

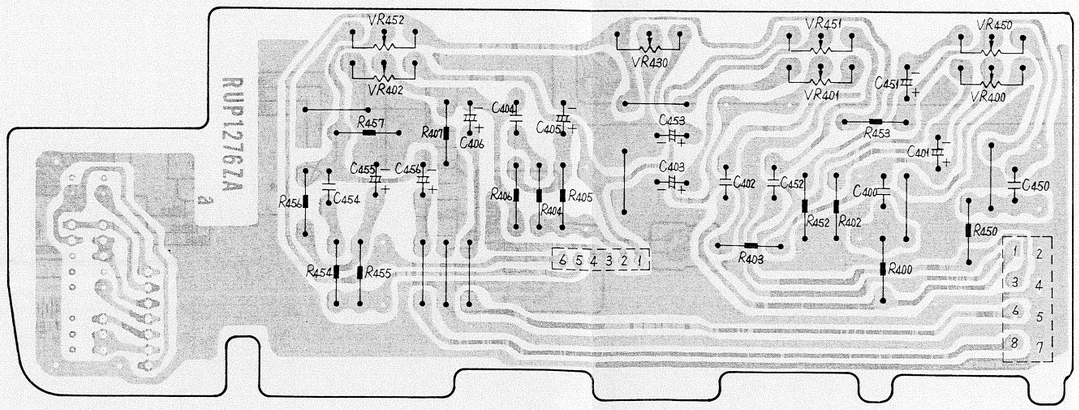


## ■ POWER SOURCE CIRCUIT BOARD



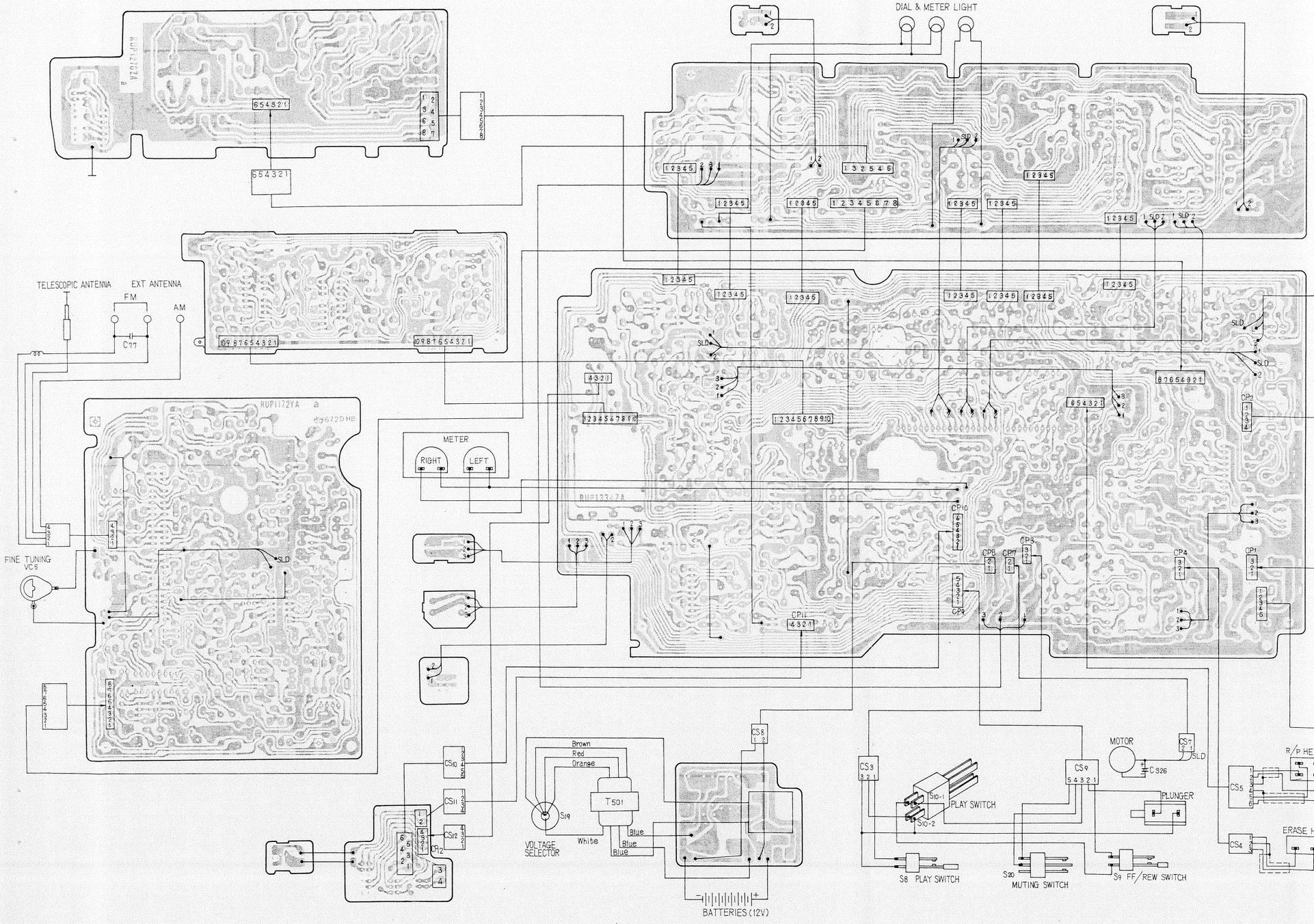
| | |
|---|---|
|  IC101, 201 |  D101～104, 201～204 301, 302, 303, 307 308, 312, 501～506 |
|  IC102, 202 |  D105, 205 |
|  IC301 |  D304, 305 |
|  Q101～114, 201～214 301～306, 308, 309 |  D306, 310, 313 |
|  Q307 |  D309, 311 |

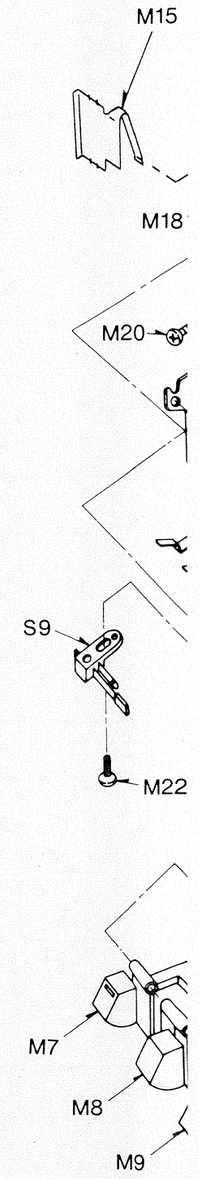
## ■ VOLUME CIRCUIT BOARD



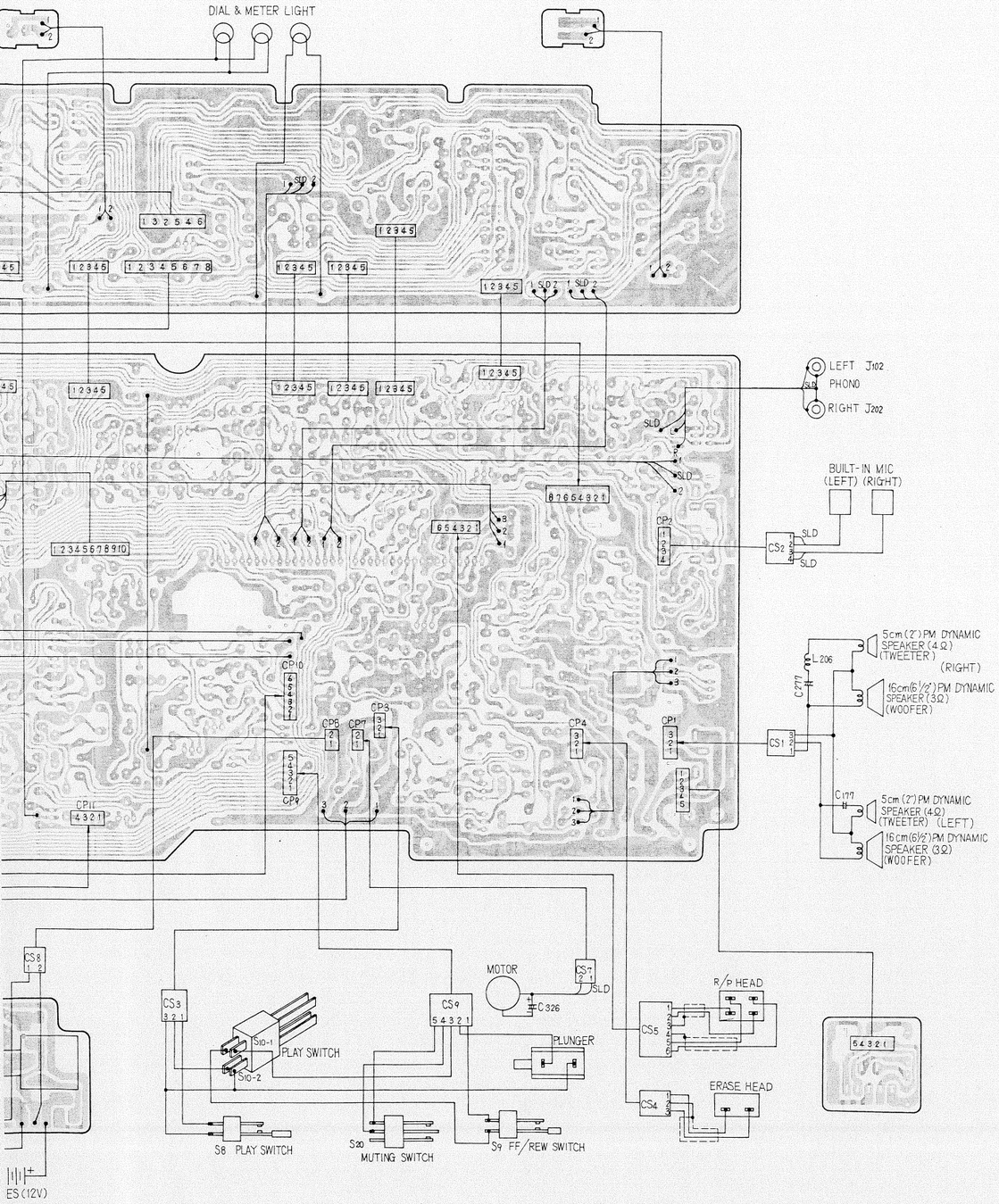
RX-5600LS RX-5600LS

# WIRING CONNECTION DIAGRAM MODEL RX-5600LS



# DIAGRAM MODEL RX-5600LS




# EXPLODED VIEW

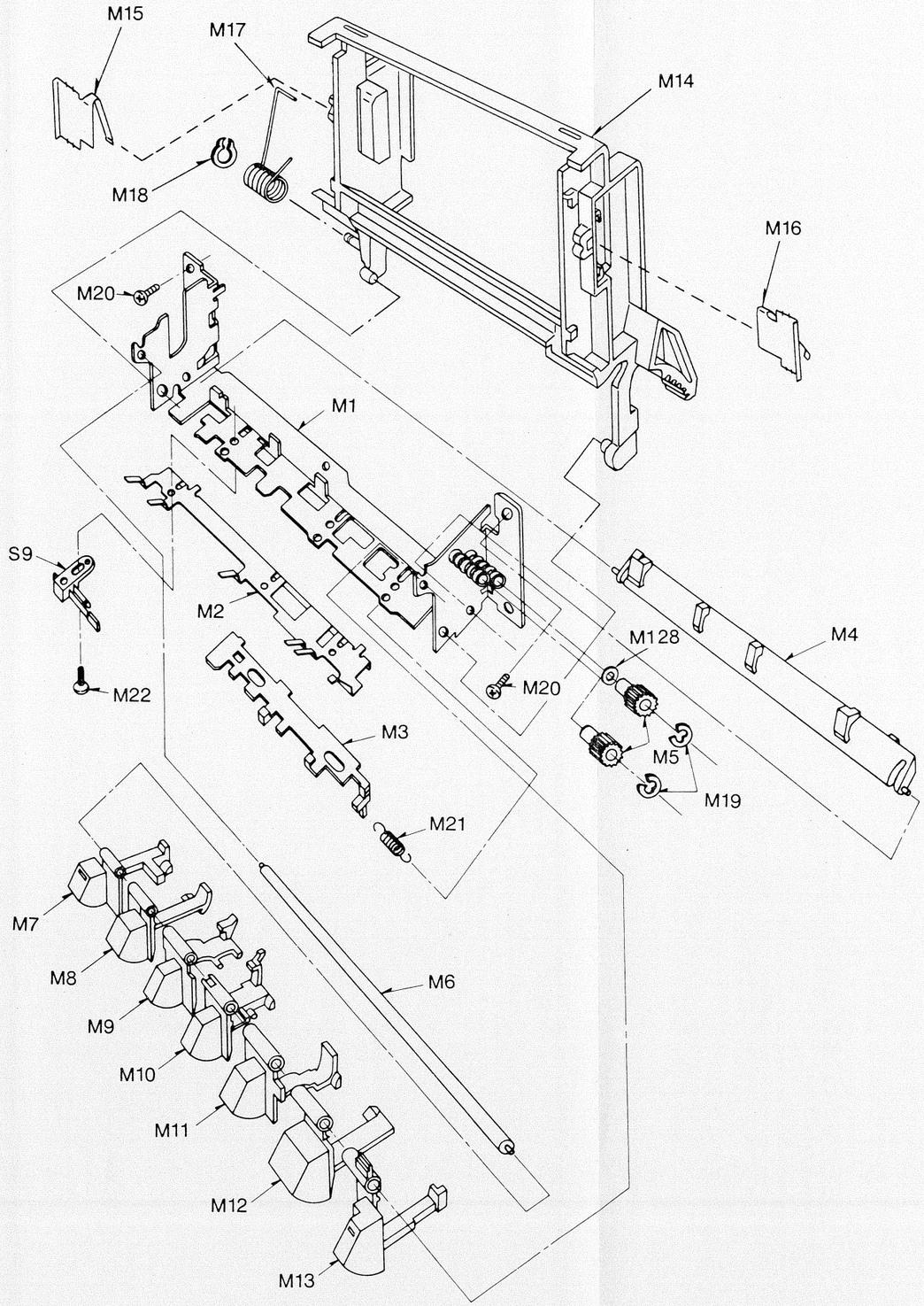
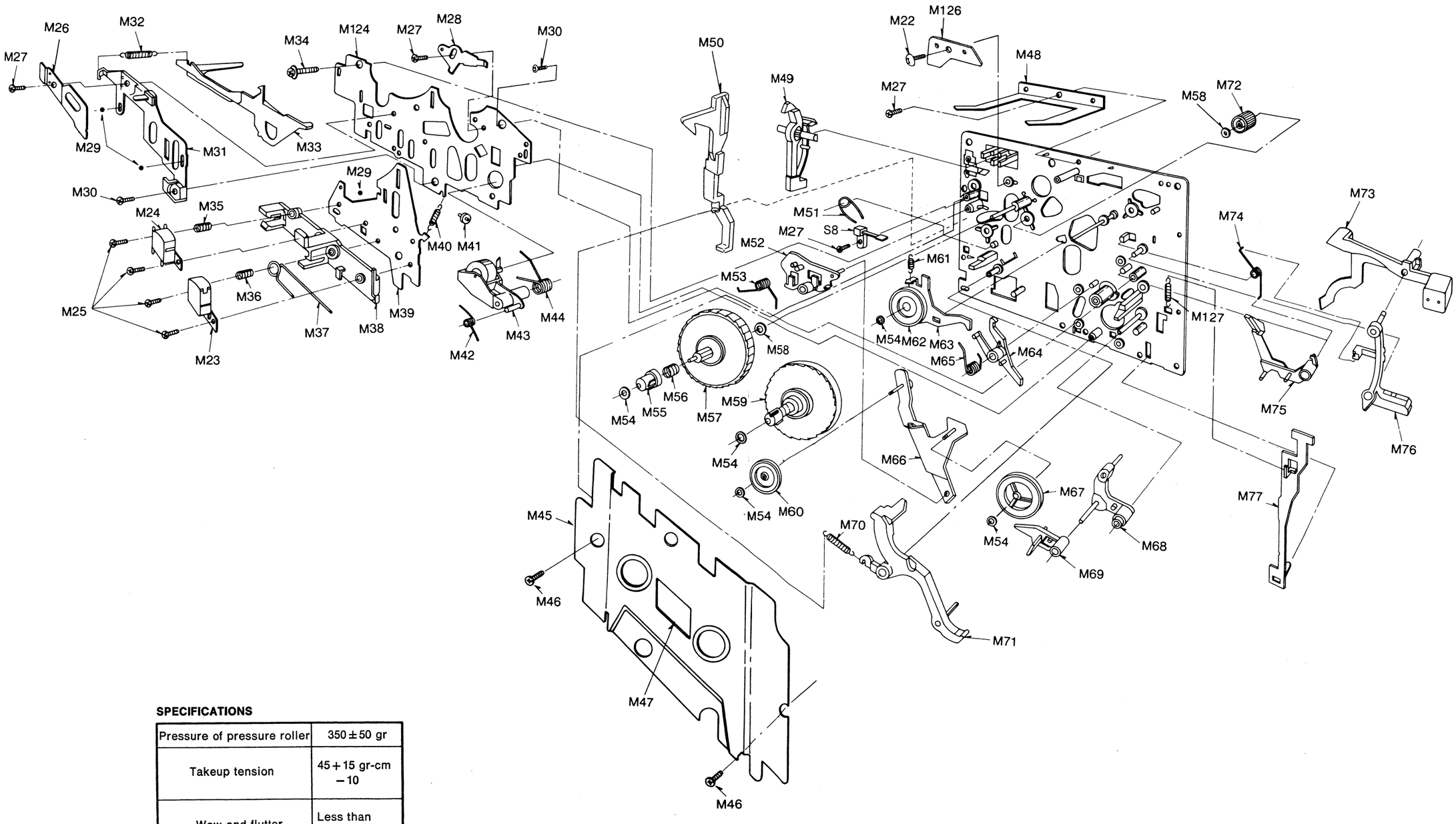



Fig. 24




**SPECIFICATIONS**

| | |
|---|---|
| Pressure of pressure roller | 350 ± 50 gr |
| Takeup tension | 45 + 15 gr-cm<br>− 10 |
| Wow and flutter | Less than<br>0.05% (WRMS) |

Fig. 25

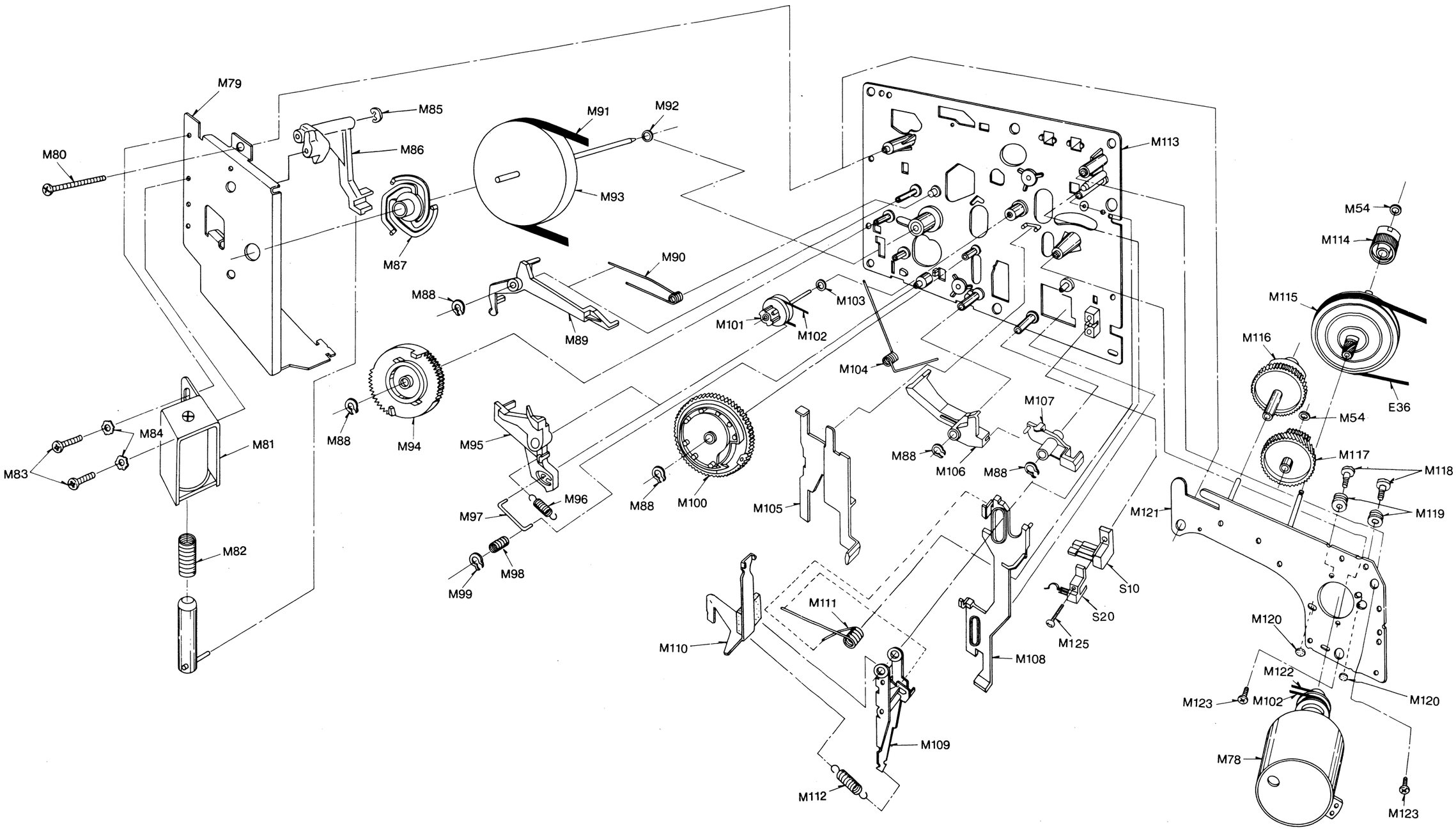

M79
M80
M85
M86
M87
M91
M92
M93
M90
M88
M89
M113
M101
M102
M103
M104
M54
M114
M115
M116
E36
M54
M107
M88
M106
M88
M117
M118
M119
M121
M84
M83
M81
M82
M88
M94
M95
M96
M97
M98
M99
M88
M100
M105
S10
S20
M125
M111
M110
M108
M109
M112
M120
M122
M123
M102
M120
M78
M123

Fig. 26

# RX-5600LS DEUTSCH

## ■ TECHNISHE DATEN

| | |
|---|---|
| Stromversorgung: | Wechselstrom: 100~110/115~127/ 200~220/230~250 V, 50/60 Hz<br>Batterien: 12 V (acht Trockenbatterien UM-1, Größe D)<br>Auto-oder Bootsbatterie: über eine Auto/Bootsadapter (RP-952: als Sonderzubehör erhältlich) anschließbar |
| Leistungsaufnahme: | 28 W(bei Netzbetrieb) |
| Ausgangsleistung: | 16 W eff. (RMS max.) |
| Frequenzbereich: | 40~12.000 Hz (Normal Band)<br>40~14.000 Hz (FeCr-Band)<br>40~14.000 Hz ($CrO_2$-Band)<br>40~16.000 Hz (with Metall-Band) |
| Aufnahmesystem: | Wechselstrom-Vormagnetisierung, Wechselstromlöschung |
| Bandgeschwindigkeit: | 4,8 cm/s |
| Gleichlaufschwankungen: | 0,05% (WRMS) |
| Spieldauer: | 1 Stunde mit Cassette C-60 |
| Spurlage: | Stereoaufnahme und -wiedergabe auf 4 Spuren/2 Kanälen |
| Eingangsspannungen: | MIC: Empfindlichkeit 0,26 mV, Mikrofonimpedanz 200~600Ω (empfohlenes Mikrofon; RP-8135) |
| PHONO: | Empfindlichkeit mind. 2,5 mV/47 kΩ<br>DC IN: 13,2 V |
| Ausgangsimpedanzen: | EXT SP: 3~8Ω<br>HEADPHONE: 8Ω |
| REC/PB-Anschlußbuchse: | 5 polige DIN-Buchse<br>IN: Empfindlichkeit 7,9 mV (50 kΩ)<br>OUT: Ausgangspegel 0,42 V (4,7 kΩ) |
| Lautsprecher: | Tieftonlautsprecher: dynamischer PM-Lautsprecher, Ø16 cm (3Ω)<br>Hochtonlautsprecher: dynamischer PM-Lautsprecher, Ø5 cm (4Ω) |
| Wellenbereiche: | UKW: 87,5~108 MHz<br>LW: 150~285 kHz (2000~1060 m)<br>MW: 520~1610 kHz (577~186 m)<br>KW: 5,9~18 MHz (50,8~16,7 m) |
| Zwischenfrequenz: | FM: 10,7 MHz<br>AM: 455 kHz |
| Empfindlichkeit: | UKW: 2 μV bei 50 mW Ausgangsleistung<br>LW: 170 μV/m bei 50 mW Ausgangsleistung<br>MW: 100 μV/m bei 50 mW Ausgangsleistung<br>KW: 6 μV bei 50 mW Ausgangsleistung |
| Abmessungen (B×H×T): | 564×325×162 mm (22-1/4"×12-3/4"×6-3/8") |
| Gewicht (ohne Batterien): | 7,4 kg (16 lb. 5 oz.) |

Änderungen vorbehalten.

# ABGLEICH

## ■ VORGANGSWEISE BEIM ABGLEICH

BITTE DIESEN ABSCHNITT VOR DEM ABGLEICH SORGFALTIG DURCHLESEN

1. Den Lautstärkeregler in die Maximalposition stellen.
2. Den Klangeregler in die Mittelposition stellen.
3. Den Wellenbereichsschalter auf MW, LW, KW oder FM stellen.
4. Den "Tape/Radio"-Wahlschalter auf "radio" stellen.
5. Eine Stromquelle von 12 V Gleichsspannung anlegen.
6. Der Signalgeneratorausgang sollte nicht größer sein, als für eine Ausgangsanzeige unbedingt notwendig ist.

## ■ LW-, MW- UND KW-ABGLEICH

| | WELLENBAND | SIGNALGENERATOR oder WOBBELGENERATOR: ANSCHLÜSSE | SIGNALGENERATOR oder WOBBELGENERATOR: FREQUENZ | STELLUNG DES ABSTIMMREGLERS | MESSGERÄT (ELEKTRONIK-VOLTMETER oder OSZILLOSKOP) | ABGLEICH | BEMERKUNGEN |
|---|---|---|---|---|---|---|---|
| | AM-ZF-ABGLEICH | | | | | | |
| (1) | MW | Aus einem Draht einige Schleifen-bilden und das Signal in die Empfängerschleife abstrahlen. | 455 kHz, 30% mode. (Modulationsfrequenz 400 Hz) | Der Abstimmpunkt, wo keine Interferenz auftritt. | Ausgangsleistungsmesser parallel zur Lautsprecher-Schwingspule | T3 (1. AM-ZF-Abgleich)<br>T4 (2. AM-ZF-Abgleich) | Die maximale Ausgangsleistung einstellen. |
| | LW-HF-ABGLEICH | | | | | | |
| (2) | LW | " | 145 kHz | 145 kHz [11,4 mm (15/32")] | Ausgangsleistungsmesser parallel zur Lautsprecher-Schwingspule | L7 (LW-Oszillatorspule) (*1) L2 (LW-Antennenspule) | Die maximale Ausgangsleistung einstellen. L2 durch Verschieben am Ferritkern abgleichen. |
| (3) | LW | " | 285 kHz | 285 kHz [168,9 mm (6-21/32")] | " | CT6 (LW-Oszillatortrimmer) CT4 (LW-Antennentrimmer) | Die maximale Ausgangsleistung einstellen. Die Schritte (2) und (3) wiederholen. |
| | (*1) Nach beendetem Abgleich ist der Antennenspulenkörper mit Wachs zu befestigen. | | | | | | |
| | MW-HF-ABGLEICH | | | | | | |
| (4) | MW | Aus einem Draht einige Schleifen-bilden und das Signal in die Empfängerschleife abstrahlen. | 550 kHz | 550 kHz [13,1 mm (17/32")] | Ausgangsleistungsmesser parallel zur Lautsprecher-Schwingspule | L8 (MW-Oszillatorspule) (*2) L2 (MW-Antennenspule) | Die maximale Ausgangsleistung einstellen. L2 durch Verschieben am Ferritkern abgleichen. |
| (5) | MW | " | 1.500 kHz | 1.500 kHz [174,1 mm (6-7/8")] | " | CT7 (MW-Oszillatortrimmer) CT3 (MW-Antennentrimmer) | Die maximale Ausgangsleistung einstellen. Die Schritte (4) und (5) wiederholen. |
| | (*2) Nach beendetem Abgleich ist der Antennenspulenkörper mit Wachs zu befestigen. | | | | | | |
| | KW-HF-ABGLEICH | | | | | | |
| (6) | KW | " | 6 MHz | 6 MHz [8 mm (5/16")] | Ausgangsleistungsmesser parallel zur Lautsprecher-Schwingspule | L9 (KW-Oszillatorspule L3 (KW-Antennenspule) | Die maximale Ausgangsleistung einstellen. |
| (7) | KW | " | 18 MHz | 18 MHz [189,5 mm (7-13/32")] | " | CT8 (KW-Oszillatortrimmer) CT5 (KW-Antennentrimmer) | Die maximale Ausgangsleistung einstellen. Die Schritte (6) und (7) wiederholen. |

## ■ FM-ABGLEICH

| | WELLENBAND | SIGNALGENERATOR oder WOBBELGENERATOR: ANSCHLÜSSE | SIGNALGENERATOR oder WOBBELGENERATOR: FREQUENZ | STELLUNG DES ABSTIMMREGLERS | MESSGERÄT (RÖHREN-VOLTMETER oder OSZILLOSKOP) | ABGLEICH | BEMERKUNGEN |
|---|---|---|---|---|---|---|---|
| | FM-ZF-ABGLEICH | | | | | | |
| (1) | UKW | Über einen 0,001 μF-Kondensator an den Meßpunkt ▼ anschließen. Den negativen Ausgang erden, | 10,7 MHz | Der Abstimmpunkt, wo keine interferenz auftritt. | Die Vertikal-amplitude des Oszilloskops an den Meßpunkt ▼ anschließen. Den negativen Augang Meßpunkt ▼. | T1 (FM-ZF-Abgleich) (Primärspule) | Die Maximalamplitude einstellen. (Siehe Abb. 20.) |
| (2) | UKW | " | " | " | " | T2 (FM-ZF-Abgleich) (Sekundärspule) | Die Maximalamplitude einstellen. (Siehe Abb. 21.) |
| | FM-HF-ABGLEICH | | | | | | |
| (3) | UKW | Über eine künstliche UKW-Antenne an den Meßpunkt ▼ anschließen. (Siehe Abb. 22.) | 87,5 MHz | Drehkondensator ganz geschlossen. | Ausgangsleistungsmesser parallel zur Lautsprecher-Schwingspule | L5 (FM-Oszillatorspule) | (*3) Die maximale Ausgangsleistung einstellen. |
| (4) | UKW | " | 90 MHz | 90 MHz [24,3 mm (31/32")] | " | L4 (FM-Abstimmspule) | (*3) Die maximale Ausgangsleistung einstellen. |
| (5) | UKW | " | 106 MHz | 106 MHz [171,1 mm (6-3/4")] | " | CT2 (FM-Oszillatortrimmer) CT1 (FM-Abstimmtrimmer) | (*3) Die maximale Ausgangsleistung einstellen. Die Schritte (3) und (5) wiederholen. |
| | (*3) Es gibt drei verschiedene Ausgangsfrequenzkurven. Stimmen Sie die Mittelfrequenz ab. | | | | | | |

## ■ KANALTRENNUNGS-ABGLEICH

| PRÜFUNG | SIGNAL 90 MHz, 60 dB, SOURCE-ANSCHLUSS | GERÄTEANSCHLUSS (ELEKTRONISCHER ZÄHLER) | EINSTELLUNG | ANGABEN | BEMERKUNGEN |
|---|---|---|---|---|---|
| Einstellung des Pilottons | —— | ▼...(+)-seite<br>▼...(−)-seite | VR1 | 19 kHz | Mit dem elektronischen Zähler den Spannungskonstanthalter (VR1) auf 19 kHz (±200 Hz) einstellen. |

## ■ NF-ABGLEICH

| EINSTELLUNG | EINGANG | MESSPUNKT | MESSWERT | EINSTELL-PUNKT | BEMERKUNGEN |
|---|---|---|---|---|---|
| Azimut | QZZCFM (8 kHz, −20 dB) | EXT SP | Die maximale Ausgangsleistung einstellen. | Azimut-Einstellschraube | bei Wiedergabe |
| Wiedergabepegel | QZZCFM (315 Hz, 0 dB) | ▼ (linker Kanal)<br>▼ (rechter Kanal)<br>▼ (Masse) | 0,42±0,02 V | VR101 (linker Kanal)<br>VR201 (rechter Kanal) | bei Wiedergabe |
| VU-anzeige | QZZCFM (315 Hz, 0 dB) | Anzeige | "0" 0±1 dB | VR105 (linker Kanal)<br>VR205 (rechter Kanal) | bei Wiedergabe |
| Oszillations frequenz für Vormagnetisierung | —— | ▼ ▼ | 66±0,5 kHz | L301 | bei Aufnahme Oszillator→III Bandsortenwähler ... $CrO_2$ |
| Löschstrom | für METAL Band | ▼ ▼ | 150 +3 mV −7 | VR301 | bei Aufnahme Oszillator→III Bandsortenwähler ... METAL |
| Vormagnetisierungssperre | —— | ▼ (linker Kanal)<br>▼ (rechter Kanal)<br>▼ (Masse) | 0±0,5 dB | L101 (linker Kanal)<br>L201 (rechter Kanal) | bei Aufnahme Oszillator→I→II→III |
| Vormagnetisierungsstrom | für METAL Band | ▼ (linker Kanal)<br>▼ (rechter Kanal)<br>▼ (Masse) | METAL 8±0,3 mV<br>$CrO_2$ 4,8±0,3 mV<br>FeCr 4,2±0,3 mV<br>Normal 3,8±0,3 mV | METAL VR102 (linker Kanal)<br>VR202 (rechter Kanal)<br>Normal VR302 | bei Aufnahme Oszillator→III Bandsortenwähler ... METAL |
| Gesamtverstärkung | DIN IN (1 kHz, −13 dB) | ▼ (linker Kanal)<br>▼ (rechter Kanal)<br>▼ (Masse) | 250±10 mV | VR104 (linker Kanal)<br>VR204 (rechter Kanal) | 1. Auf Aufnahme schalten und den Bandsortenwähler auf "Normal" stellen.<br>2. Den Aufnahmepegel (REC LEVEL) so regeln, daß der Pegel (bei Vorderbandkontrolle) an den Meßpunkten ▼ und ▼ 250 mV beträgt.<br>3. Das bespielte Band wiedergeben. Kontrollieren, ob der Wert, der an der ▼, ▼ vom Elektronikvoltmeter angezeigt wird, 250±10 mV beträgt. |

**Bemerkungen:**

1. S7-1~S7-10 ..... Wellenbereichsschalter auf "UKW". (1 ... UKW, 2 ... LW, 3 ... MW, 4 ... KW).
2. S2-1, S2-2 ..... PHONO/DIN-Eingang-Schalter auf "PHONO". (①... PHONO, ③ DIN-Eingang)
3. S3-1~S3-11 ..... Aufnahme-/Wiedergabeschalter auf „Wiedergabe".
4. S4-1~S4-3 ..... Aufnahmeschalter auf „manuell". (①... manuell, ③... Aussteuerungsautomatik „Easy-matic")
5. S5-1~S5-5 ..... Bandsortenwähler auf „normal". (①... normal, ②... FeCr, ③... $CrO_2$ ④... Metall)
6. S6 ..... Oszillator-Schalter auf „I". (①... I, ②... II, ③... III)
7. S7 ..... Leeraufnahmeschalter auf „AUS".
8. S8 ..... Wiedergabetaste
9. S9 ..... Schnellvorlauf-, Rückspultaste.
10. S10-1, S10-2 .... Wiedergabetaste
11. S11-1~S11-4 .... Betriebsart Schalter auf "Stereo". (①... Stereo wide, ②... Stereo, ③... Mono)
12. S12~S14 ..... Funktionsschaltter auf „Cassette"/ AUS". (S12-1~S12-4 ... PHONO/DIN-Eingang, S13-1~S13-5 ... Radio S14-1~S14-6 ..... Cassette)
13. S15 ..... TPS-Schalter.
14. S16-1, S16-2 .... Anzeigenwähleraufauf „Ausangsleistung". (①... Ausgangsleistung, ③... Abstimmung & Batterie)
15. S17-1~S17-3 .... Dolbyschalter auf "AUS"
16. S18-1, S18-2 .... Schalter für gehörrichtige Lautstärke auf „AUS".
17. S19 ..... Netzspannungswähler
18. S20 ..... Schalter zur Geräuschunterdrückung auf „AUS".
19. S21 ..... Wahlschalter für Gleichstrom oder Wechselstrombetrieb
20. S22 ..... Lichtschalter
21. Alle Gleichspannungen sind mit einem Elektronikvoltmeter vom negativen Batterieanschluß aus zu messen. [ ]... Stellung „FM", ( )... Stellung „AM", < >Stellung „Aufnahme". [ ]Stellung TPS, Q309 ... Stellung „Lichtschalte auf EIN".
22. VR101, 201 ..... Ausgangspegelregler für die Wiedergabe
    VR102, 202, 302 . RW zur Einstellung des Vormagnetisierungsstroms
    VR103, 203 ..... Aussteuerungsregler
    VR104, 204 ..... RW zur Einstellung der Gesamtverstärkung
    VR105, 205 ..... Anzeigenregler
    VR301 ..... RW zur Einstellung des Löschstroms
    VR400, 450 ..... Baßregler
    VR401, 451 ..... Höhenregler
    VR402, 452 ..... Lautstärkleregler
    VR430 ..... Balanceregler
23. Batteriestrom: ohne Signal ..... 160 mA
    bei maximaler Ausgangsleistung (Radio) ..... 1,68A
    bei maximaler Ausgangsleistung (Cassette) ..... 1,8A
24. Für die Bauelemente, die mit ⚠ bezeichnet sind, sollen aus Gründen der Betriebssicherheit nur die originalbauteile des Herstellers verwendet werden.

# RX-5600LS FRANCAIS

## ■ SPECIFICATIONS

| | | | |
|---|---|---|---|
| Généralités: | c.a. 100 à 110/115 à 127/200 à 220/230 à 250 V 50/60 Hz<br>Piles; 12 V (huit piles sèches UM-1, dimension D) batterie pour auto/bateau; avec adaptateur (RP-952) auto/bateau en option | Sortie: | EXT SP; 3 à 8Ω<br>HEADPHONE; 8Ω |
| Consommation: | 28 W (c.a. seulement) | Branchement REC/PB | fiche DIN à 5 broches<br>IN; sensibilité 7,9 mV (50 kΩ)<br>OUT; sortie 0,42 V (4,7 kΩ) |
| Puissance de sortie: | 16 W . . . (RMS max.) | Haut-parleur: | Haut-parleur des graves; 16 cm haut-parleur dynamique à aimant permanent (3Ω)<br>Haut-parleur des aigus; 5 cm haut-parleur dynamique à aimant permanent (4Ω) |
| Gamme de fréquence: | 40 à 12.000 Hz (avec bande normale)<br>40 à 14.000 Hz(avec bande FeCr)<br>40 à 14.000 Hz (avec bande $CrO_2$)<br>40~16.000 Hz (avec bande Métallique) | Fréquence radio: | FM; 87,5 à 108 MHz<br>GO; 150 à 285 kHz (2000 à 1060 m)<br>PO; 520 à 1610 kHz (577 à 186 m)<br>OC; 5,9 à 18 MHz (50,8 à 16,7 m) |
| Système d'enregistrement: | plarisation c.a., effacement c.a. | Fréquence intermédiaire: | FM; 10,7 MHz<br>AM; 455 kHz |
| Vitesse de bande: | 4,8 cm/sec. | Sensibilité: | FM; 2 μV pour une sortie de 50 mW<br>GO; 170 μV/m pour une sortie de 50 mW<br>PO; 100 μV/m pour une sortie de 50 mW<br>OC; 6 μV pour une sortie de 50 mW |
| Pleurage et scintillement: | 0,05% (WRMS) | Dimensions (l×h×Pr) mm: | 564×325×162 mm<br>(22-1/4"×12-3/4"×6-3/8") |
| Durée de lecture: | 1 heure avec cassette C-60 | Poids kg: | 7,4 sans piles |
| Pistes: | enregistrement et lecture stéréo 4 pistes, 2 canaux | | |
| Entrée: | MIC; sensibilité 0,26 mV; impédance applicable pour microphone 200~600 Ω (microphone recommandé RP-8135)<br>DC IN; 13,2 V | | |
| PHONO: | sensibilité 2,5 mV/47 kΩ ou plus | | |

Les spécifications sont sujettes à des changements sans préavis.

# ALIGNEMENTS

## ■ REGLAGE

AVANT DE PROCEDER AUX ALIGNEMENTS LIRE ATTENTIVEMENT CE QUI SUIT

1. Le potentiomètre de volume au maximum.
2. Les commande de tonalite et aigus au centre.
3. Le sélecteur de bande sur MW (PO), LW (GO), SW (OC), ou FM.
4. Le sélecteur bande/radio sur "radio".
5. Régler la tension sur 12 V c.c.
6. Régler la sortie du générateur étalonné de façon à ne pas surcharger les circuits.

### ALIGNEMENT GO, PO, et OC

| | BANDE | GENERATEUR ETALONNE ou GENERATEUR DE BALAYAGE | | POSITION DE L'AIGUILLE SUR LE CADARAN | INDICATEUR (VOLTMETRE ou OSCILLOSCOPE ELECTRO-NIQUES) | REGLAGE | OBSERVATIONS |
|---|---|---|---|---|---|---|---|
| | | BRANCHEMENTS | FREQUENCE | | | | |
| | ALIGNEMENT FI sur AM | | | | | | |
| (1) | PO | Via une bobine de fil couplée à l'antenne. | 455 kHz (modulation de 30% à 400 Hz) | Point de non-interférence | Voltmètre branché à la bobine oscillatrice | T3 (AM 1er IFT)<br>T4 (AM 2er IFT) | Régler pour une sortie maximum. |
| | ALIGNEMENT HF sur GO | | | | | | |
| (2) | GO | " | 145 kHz | 145 kHz [11,4 mm (15/32")] | Voltmètre branché à la bobine oscillatrice | L7 (bobine d'oscillateur GO)<br>(*1) L2 (bobine d'antenne GO) | Régler pour une sortie maximum en glissant la bobine L2 le long du noyau en ferrite. |
| (3) | GO | " | 285 kHz | 285 kHz [168,9 mm (6-21/32")] | " | CT6 (trimmer d'oscillateur GO)<br>CT4 (trimmer d'antenne GO) | Régler pour une sortie maximum.<br>Refaire les étapes (2) et (3). |
| | (*1) Sceller la bobine d'antenne à la cire après avoir achevé l'alignement. | | | | | | |
| | ALIGNEMENT HF sur PO | | | | | | |
| (4) | PO | " | 550 kHz | 550 kHz [13,1 mm (17/32")] | Voltmètre branché à la bobine oscillatrice | L8 (bobine d'oscillateur PO)<br>(*2) L2 (bobine d'antenne PO) | Régler pour une sortie maximum en glissant la bobine L2 le long du noyau en ferrite. |
| (5) | PO | " | 1.500 kHz | 1.500 kHz [174,1 mm (6-7/8")] | " | CT7 (trimmer d'oscillateur PO)<br>CT3 (trimmer d'antenne PO) | Régler pour une sortie maximum.<br>Refaire les étapes (4) et (5). |
| | (*2) Sceller la bobine d'antenne à la cire après avoir achevé l'alignement. | | | | | | |
| | ALIGNEMENT HF sur OC | | | | | | |
| (6) | OC | " | 6 MHz | 6 MHz [8 mm (5/16")] | Voltmètre branché à la bobine oscillatrice | L9 (bobine d'oscillateur OC)<br>L3 (bobine d'antenne OC) | Régler pour une sortie maximum. |
| (7) | OC | " | 18 MHz | 18 MHz [189,5 mm (7-13/32")] | " | CT8 (trimmer d'oscillateur OC)<br>CT5 (trimmer d'antenne DC) | Régler pour une sortie maximum.<br>Refaire les étapes (6) et (7). |

## ■ ALIGNEMENT FM

| | BANDE | GENERATEUR ETALONNE ou GENERATEUR DE BALAYAGE | | POSITION DE L'AIGUILLE SUR LE CADRAN | INDICATEUR (VOLTMETRE ou OSCILLOSCOPE | REGLAGE | OBSTERVATIONS |
|---|---|---|---|---|---|---|---|
| | | BRANCHEMENTS | FREQUENCE | | | | |
| | ALIGNEMENT HF sur FM | | | | | | |
| (1) | FM | Brancher au ▼ via 0,001 μF. Côte négatif à la terre. | 10,7 MHz | Point de non-interférence | Brancher la sonde vert. de l'oscilloscope au ▼. Côté négatif à la au ▼. | T1 (FM IFT) (Primaire) | Régler pour une amplitude maximum. (Voir fig. 20.) |
| (2) | FM | " | " | " | " | T2 (FM IFT) (Secondaire) | Régler pour une amplitude maximum (Voir fig. 21.) |
| | ALIGNEMENT HF sur FM | | | | | | |
| (3) | FM | Brancher au ▼ via une atenne fictive FM. (Voir fig. 22.) | 87,5 MHz | Condensateur variable totalement fermé. | Voltmètre brasnché à la bobine oscillatrice | L5 (bobine d'oscillateur FM) | (*3) Régler pour une sortie maximum |
| (4) | FM | " | 90 MHz | 90 MHz [24,3 mm (31/32")] | " | L4 (bobine TUNE FM) | (*3) Régler pour une sortie maximum |
| (5) | FM | " | 106 MHz | 106 MHz [171,1 mm (6-3/4")] | " | CT2 (trimmer d'oscillateur FM)<br>CT1 (trimmer TUNE FM) | (*3) Régler pour une sortie maximum<br>Refaire les étapes (3) et (5). |
| | (*3) Il y aura trois réponses de sortie; la syntonisation adéquate est la fréquence du milieu. | | | | | | |

## ■ ALIGNEMENT DE LA DIAPHONIE

| ELEMENT | SIGNAL 90 MHz, 60 dB BRANCHEMENT SUR LA SOURCE | BRANCHEMENT A L'EQUIPMENT (COMPTEUR ELECTRONIQUE) | REGLAGE | SPECIFICATION | REMARQUES |
|---|---|---|---|---|---|
| Reglage du signal pilote. | —— | ▼... côté (+)<br>▼... côté (−) | VR1 | 19 kHz | Régler VR1 pour 19 kHz (±150 Hz) en effectuant la lecture sur le compteur électronique. |

## ■ ALIGNEMENTS AUDIO

| ELEMENT | ENTREE | POINT DE MESURE | SPECIFICATION | POINT DE REGLAGE | OBSERVATIONS |
|---|---|---|---|---|---|
| Azimut | QZZCFM (8 kHz, −20 dB) | EXT SP | Régler pour une sortie maximum. | Vis d'azimut | Mode de lecture |
| Niveau de lecture | QZZCFM (315 Hz, 0 dB) | ▼ (canal gauche)<br>▼ (canal droit)<br>▼ (terre) | 0,42±0,02 V | VR101 (canal gauche)<br>VR201 (canal droit) | Mode de lecture |
| VU-metres | QZZCFM (315 kHz, 0 dB) | Metres | "0"<br>0±1 dB | VR105 (canal gauche)<br>VR205 (canal droit) | Mode de lecture |
| Fréquence d'oscillation de polarisation | —— | ▼ ▼ | 66±0,5 kHz | L301 | Mode d'enregistrement anti→III<br>Sélecteur de bande ... $CrO_2$ |
| Courant d'effacement | Utiliser une bande METAL. | ▼ ▼ | 150 +3 mV<br>−7 | VR301 | Mode d'enregistrement anti→III Sélecteur de bande ... METAL |
| Eliminateur de polarisation | —— | ▼ (canal gauche)<br>▼ (canal droit)<br>▼ (terre) | 0±0,5 dB | L101 (canal gauche)<br>L201 (canal droit) | Mode d'enregistrement anti→I→II→III |
| Courant de polarisation | Utiliser une bande METAL. | ▼ (canal gauche)<br>▼ (canal droit)<br>▼ (terre) | METAL 8±0,3 mV<br>$CrO_2$ 4,8±0,3 mV<br>FeCr 4,2±0,3 mV<br>Normal 3,8±0,3 mV | METAL VR102 (canal gauche) VR202 (canal droit) Normal VR302 | Mode d'enregistrement anti→III<br>Sélecteur de bande ... METAL |
| Gain total | DIN IN (1 kHz, −13 dB) | ▼ (canal gauche)<br>▼ (canal droit)<br>▼ (terre) | 250±10 mV | VR104 (canal gauche)<br>VR204 (canal droit) | 1. Mettre l'appareil en mode d'enregistrement, et le sélecteur de bande sur "NORMAL".<br>2. Régler le niveau d'enregistrement jusqu'à ce que le niveau du contrôleur à ▼ et ▼ atteigne 250 mV.<br>3. Ecouter une bande enregistrée, et vérifier que la valeur à ▼ et ▼ sur le voltmètre électronique atteigne 250±10 mV. |

**Remarques:**

1. S7-1 à S7-10 .... Sélecteur de gamme d'onde en position "FM". (1 ... FM, 2 ... GO, 3 ... PO, 4 ... OC).
2. S2-1, S2-2 ..... Commutateur de phono/DIN IN en position "PHONO". (① ... PHONO, ③ ... DIN IN)
3. S3-1~S3-11 ..... Commutateur enregistrement/lecture en position "Lecture".
4. S4-1~S4-3 ..... Commande de mode d'enregistrement en position "Manuel". (① ... Manuel, ③ ... Easy-matic)
5. S5-1~S5-5 ..... Sélecteur de bande en position "Normal". (① ... Normal, ② ... FeCr, ③ ... $CrO_2$, ④ ... Métallique)
6. S6 ..... Commutateur d'anti-battements en position "I". (① ... I, ② ... II, ③ ... III)
7. S7 ..... Interrupteur marche/arrêt du d'enregistrement silencieux en position "Arrêt".
8. S8 ..... Commutateur du lecture.
9. S9 ..... Touche du d'avance rapide-rebobinage.
10. S10-1, S10-2 ..... Commutateur du lecture.
11. S11-1~S11-4 .... Commutateur de mode en position "Stéréo". (① ... Stéréo élargie, ② ... Stéréo, ③ ... Mono)
12. S12~S14 ..... Commutateur de fonction en position "Bande/OFF". (S12-1~S12-4 ... Phono/DIN in, S13-1~S13-5 ... Radio S14-1~S14-6 ... Bande)
13. S15 ..... Commutateur du TPS.
14. S16-1, S16-2 .... Commutateur de l'indicateur en position "Niveau". (① ... Niveau, ③ ... Piles et syntonisation)
15. S17-1~S17-3 .... Commutateur du dolby en position "OUT".
16. S18-1, S18-2 .... Commutateur de correction en position "OFF".
17. S19 ..... Sélecteur de tension c.a.
18. S20 ..... Commutateur d'amortissement en position "Arrêt".
19. S21 ..... Sélecteur c.a./c.c. en position "c.c.".
20. S22 ..... Commutateur du l'éclairage
21. La tension c.c. est mesurée au moyen d'un voltmètre électronique à partir de la borne négative de la pile.
    [ ]... Position FM, ( ) ... Position AM,
    < > ... Position Enregistrement, [ ] ... Position TPS
    Q309 ... Position d'éclairage "Marche"
22. VR101, 201 ..... Contrôle de niveau de sortie lecture
    VR102, 202, 302 . Commande de réglage du courant de polarisation
    VR103, 203 ..... Commande de niveau d'enregistrement
    VR104, 204 ..... Commande de réglage de gain total
    VR105, 205 ..... Commande des indicateurs
    VR301 ..... Commande de réglage du courant d'effacement
    VR400, 450 ..... Commande des graves
    VR401, 451 ..... Commande des aigus
    VR402, 452 ..... Potentiomètre de volume
    VR430 ..... Commande de balance
23. Courant des piles: Pas de signal ..... 160 mA
    Sortie maximum (Radio) ..... 1,68A
    Sortie maximum (Bande) ..... 1,8A
24. Les éléments précédés du symbole ⚠ ne doivent être remplacés que par des pièces d'origine par mesure de sécurité.

# CABINET PARTS LOCATION

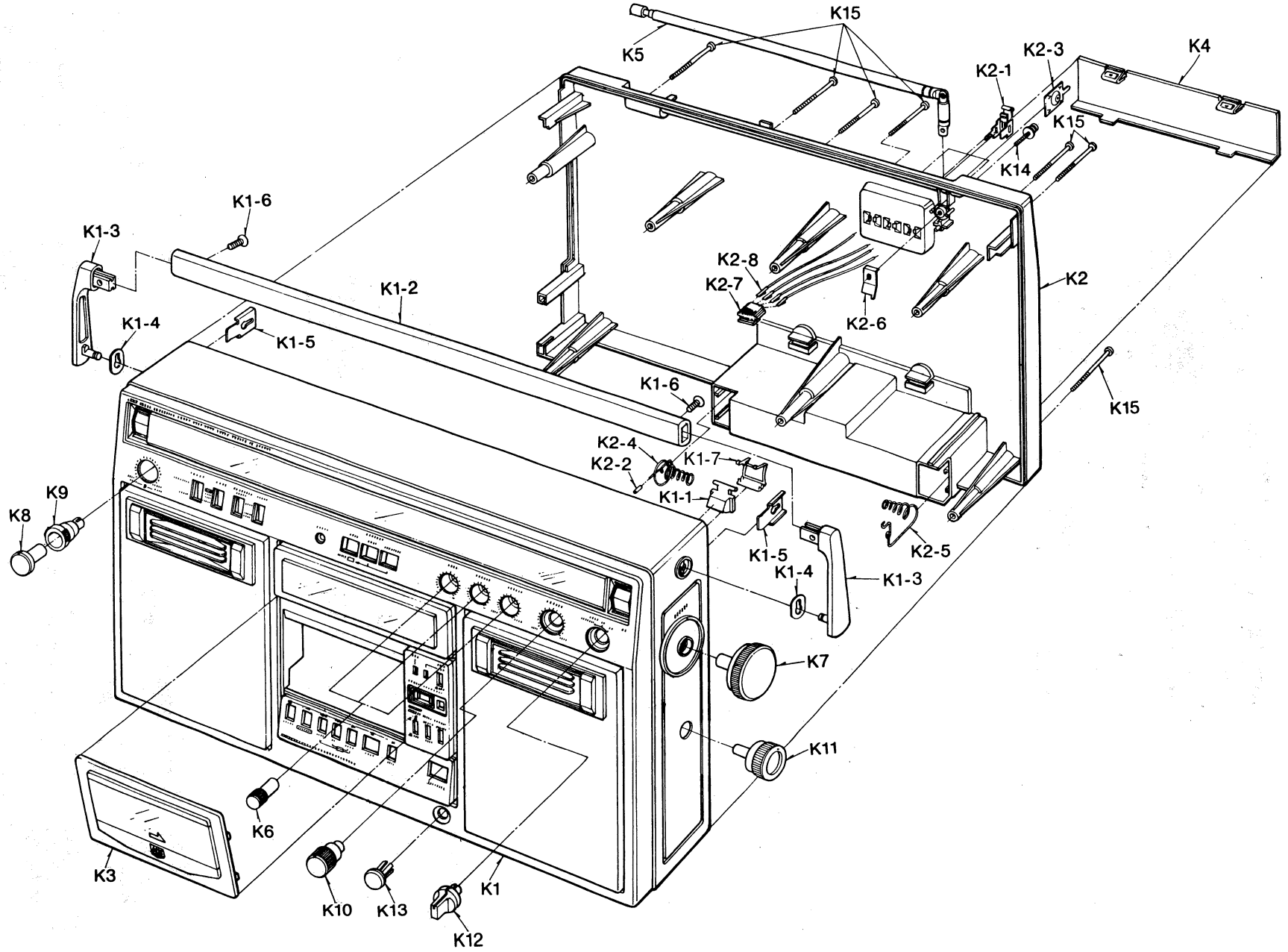



Fig. 27

# ELECTRCIAL PARTS LOCATION

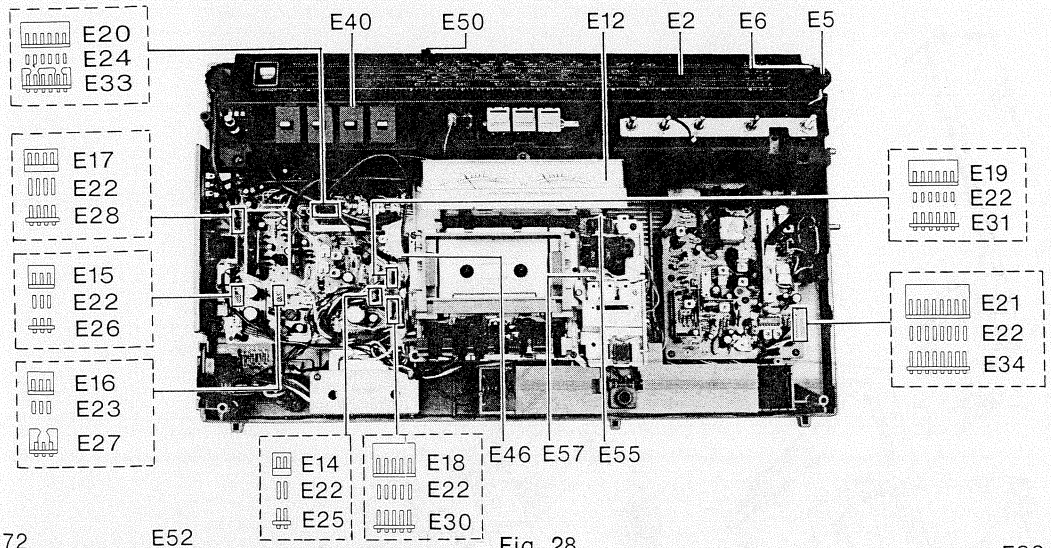



Fig. 28

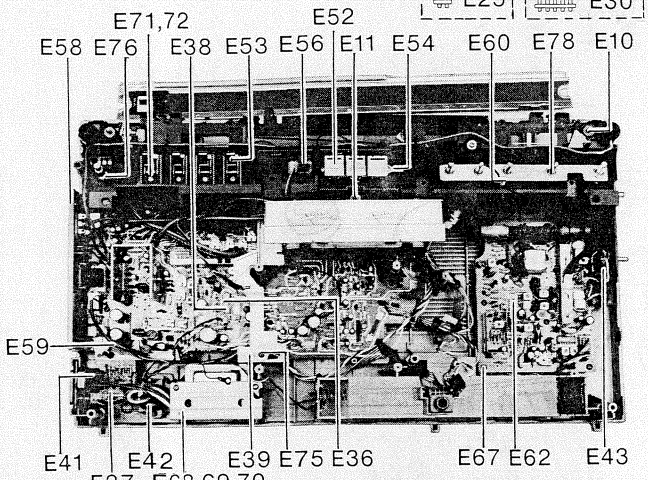



Fig. 29

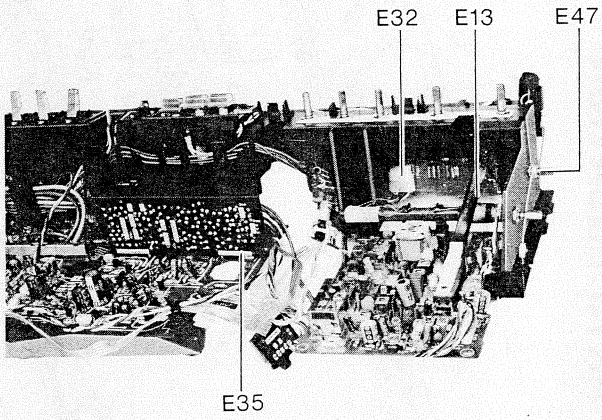



Fig. 30

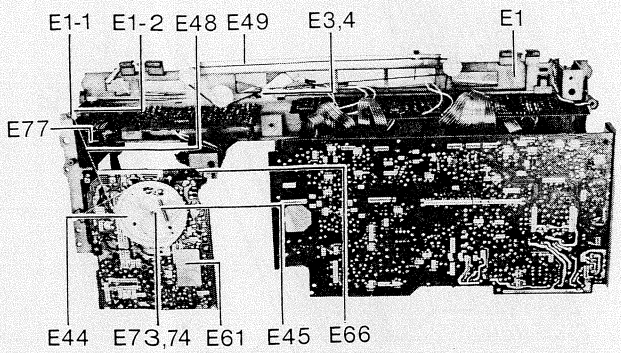



Fig. 31

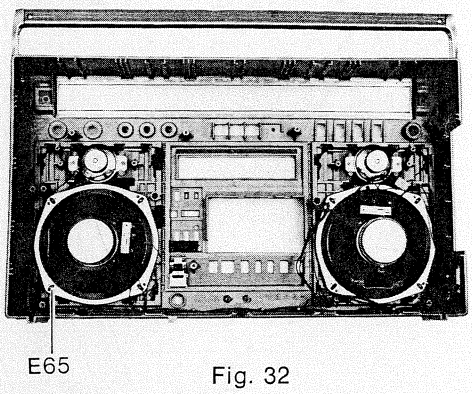



Fig. 32

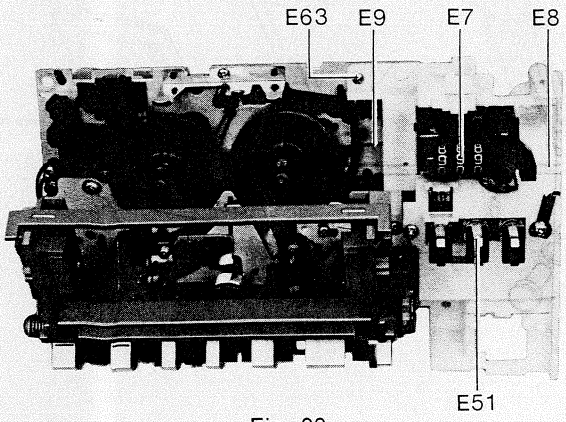



Fig. 33

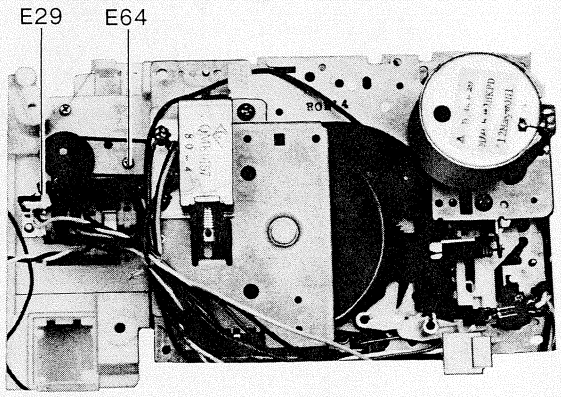



Fig. 34

# ■REPLACEMENT PARTS LIST ..... Model RX-5600LS

(RD8008-1807C)

**NOTES:** 1. ⚠ indicates that only parts specified by the manufacturer be used for safety.
2. The S mark indicates service standard parts and may differ from production parts.

| Ref. No. | Part No. | Part Name & Description | Per Set | Remarks |
|---|---|---|---|---|
| | | MECHANICAL PARTS | | |
| M1 | QXA1044 | Button Bracket Ass'y | 1 | |
| M2 | QBP1875 | Spring, Operation Rod | 1 | |
| M3 | QMR1823 | Lock Rod | 1 | |
| M4 | QML3649 | Lock Arm | 1 | |
| M5 | QDG1102 | Gear, Slow Up | 1 | |
| M6 | QMN2554 | Shaft, Operation Rod | 1 | |
| M7 | QXL1363 | Eject Rod Ass'y | 1 | |
| M8 | QXL1364 | Recording Rod Ass'y | 1 | |
| M9 | QXL1365 | Rewind Rod Ass'y | 1 | |
| M10 | QXL1366 | Fast Forward Rod Ass'y | 1 | |
| M11 | QXL1367 | Playback Rod Ass'y | 1 | |
| M12 | QXL1368 | Stop Rod Ass'y | 1 | |
| M13 | QXL1369 | Pause Rod Ass'y | 1 | |
| M14 | RKG18Z | Cassette Holder | 1 | |
| M15 | RUS406Z | Spring, Cassette Holder (Left) | 1 | |
| M16 | RUS405Z | Spring, Cassette Holder (Right) | 1 | |
| M17 | QBN1749 | Spring, Cassette Slot | 1 | |
| M18 | XUC5FT | Circlip | 1 | S |
| M19 | XUC4FT | Circlip | 2 | S |
| M20 | XTN26+6B | Screw | 2 | S |
| M21 | QBT1597 | Spring | 1 | |
| M22 | XTN2+6B | Screw | 1 | S |
| M23 | QWY4122Z | R/P Head | 1 | |
| M24 | QWY2138Z | Erase Head | 1 | |
| M25 | XSN2+9 | Screw | 4 | S |
| M26 | QBP1873 | Head Base Pressure Plate | 1 | |
| M27 | XTN26+6B | Screw | 7 | S |
| M28 | QMA3858 | Head Adjust Plate | 1 | |
| M29 | QDK1017 | Steel Ball | 3 | |
| M30 | XTN26+10B | Screw | 2 | S |
| M31 | QMZ1240 | Holder, Head Base | 1 | |
| M32 | QBT1597 | Spring | 1 | |
| M33 | QML3591 | Brake Arm | 1 | |
| M34 | XTN26+12B | Screw | 1 | S |
| M35 | QBCA0008 | Head Spring | 1 | |
| M36 | QBC1278 | Head Spring | 1 | |
| M37 | QBN1740 | Spring, R/P Head | 1 | |
| M38 | QMZ1241 | Head Spacer | 1 | |
| M39 | QMK1840 | Head Base Plate | 1 | |
| M40 | QBT1892 | Spring, Head Base Plate | 1 | |
| M41 | QMN2550 | Guide Roller | 1 | |
| M42 | QBN1742 | Spring, Pinch Roller | 1 | |
| M43 | QXL1381 | Pinch Roller Ass'y | 1 | |
| M44 | QBN1743 | Spring, Pinch Roller | 1 | |
| M45 | QMF2097 | Cover | 1 | |
| M46 | XTN26+6BFZ | Screw | 2 | S |
| M47 | RGX1130Z | Reflecting Plate | 1 | |
| M48 | QBP1874 | Cassette Holder Plate | 1 | |
| M49 | QML3603 | Erase Safety Lever | 1 | |
| M50 | QMR1822 | Eject Rod | 1 | |
| M51 | QBN1747 | Spring | 1 | |
| M52 | QML3588 | Spring, FF Lever | 1 | |
| M53 | QBN1748 | FF Spring | 1 | |
| M54 | QBW2008 | Snap Washer | 6 | |
| M55 | QMB1336 | Supply Drive Cam | 1 | |
| M56 | QBC1306 | Back Tension Spring | 1 | |
| M57 | QDR1139 | Supply Reel Table | 1 | |
| M58 | QBW2012 | Washer | 2 | |
| M59 | QXD1143 | Take Up Reel Table Ass'y | 1 | |
| M60 | QXI0113 | FF Idler Ass'y | 1 | |
| M61 | QBT1893 | Take Up Idler Spring | 1 | |
| M62 | QXI0111 | Take Up Idler Ass'y | 1 | |
| M63 | QXL1382 | Idler Lever Ass'y | 1 | |
| M64 | QML3592 | Change Lever | 1 | |
| M65 | QBN1741 | Lever Spring | 1 | |
| M66 | QXL1383 | FF Arm Ass'y | 1 | |
| M67 | QXI0112 | Rewind Idler Ass'y | 1 | |
| M68 | QXL1354 | Sub Lever Ass'y | 1 | |
| M69 | QML3586 | MS Lever | 1 | |
| M70 | QBT1894 | Main Lever Spring | 1 | |
| M71 | QXL1355 | Main Lever Ass'y | 1 | |
| M72 | QDP1828 | FF Pulley | 1 | |
| M73 | QML3605 | Auto Stop Detector Lever | 1 | |
| M74 | QBN1746 | Auto Stop Lever Spring | 1 | |
| M75 | QML3594 | Auto Stop Release Arm | 1 | |
| M76 | QML3604 | Auto Stop Driving Arm | 1 | |
| M77 | QMR1821 | Auto Stop Connection Rod | 1 | |
| M78 | QXU0201 | Motor Ass'y | 1 | |
| M79 | QXA1042 | Bracket Ass'y, Plunger | 1 | |
| M80 | XTN3+24B | Screw | 1 | S |
| M81 | QME0157 | Plunger | 1 | |
| M82 | QBC1358 | Spring | 1 | |
| M83 | XSN3+6S | Screw | 2 | S |
| M84 | XWC3B | Washer | 2 | S |
| M85 | XUC3FT | Circlip | 1 | S |
| M86 | QML3616 | Pause Driving Lever | 1 | |
| M87 | QMZ1239 | Flywheel Thrust Retainer | 1 | |
| M88 | XUB3FT | Circlip | 1 | S |
| M89 | QML3581 | Sub Control Lever | 1 | |
| M90 | QBN1744 | Sub Gear Spring | 1 | |
| M91 | QDB0281 | Capstan Belt | 1 | |
| M92 | QBW2049 | Washer | 1 | |
| M93 | QXF0164 | Flywheel Ass'y | 1 | |
| M94 | QDG1202 | Sub Gear | 1 | |
| M95 | QML3582 | Pause Lock Lever | 1 | |
| M96 | QBT1896 | Lever Spring | 1 | |
| M97 | QBS1128 | Lock Pin | 1 | |
| M98 | QBC1357 | Lock Pin Spring | 1 | |
| M99 | XUB4FT | Circlip | 1 | S |
| M100 | QDG1201 | Main Gear | 1 | |

| Ref. No. | Part No. | Part Name & Description | Per Set | Remarks |
|---|---|---|---|---|
| M101 | QXP0607 | FF Belt Pulley Ass'y | 1 | |
| M102 | QDB0274 | Rewind Belt | 1 | |
| M103 | QBW2012 | Washer | 1 | |
| M104 | QBN1745 | Main Gear Spring | 1 | |
| M105 | QMR1824 | Control Rod | 1 | |
| M106 | QML3583 | Main Control Lever | 1 | |
| M107 | QML3584 | Record Operation Lever | 1 | |
| M108 | QMR1820 | Record Rod | 1 | |
| M109 | QXL1360 | R/P Selector Arm Ass'y | 1 | |
| M110 | QML3580 | R/P Selector Lever | 1 | |
| M111 | QBN1739 | Selector Lever Spring | 1 | |
| M112 | QBT1895 | R/P Pressure Spring | 1 | |
| M113 | QXK2276 | Lower Base Plate | 1 | |
| M114 | QDP1823 | Connection Pulley | 1 | |
| M115 | QXG1047 | Take Up Gear Ass'y | 1 | |
| M116 | QDG1200 | Cam Gear | 1 | |
| M117 | QDG1199 | Auto Stop Gear | 1 | |
| M118 | QHQ1303 | Screw | 2 | |
| M119 | QBG1373· | Cushion | 1 | |
| M120 | QBG1683 | Cushion | 1 | |
| M121 | QXK2286 | Sub Chassis Ass'y | 1 | |
| M122 | QDB0273 | Fast Forward Belt | 1 | |
| M123 | XTN3+10B | Screw | 2 | S |
| M124 | QMK1838 | Upper Base Plate | 1 | |
| M125 | XTN2+20F | Screw | 1 | S |
| M126 | QMF2118 | Fast Forward Bracket | 1 | |
| M127 | QBT1682 | Auto Stop Connection Rod Spring | 1 | |
| M128 | QBW2020 | Washer | 1 | |
| | | INTEGRATED CIRCUITS, TRANSISTORS AND DIODES | | |
| IC1 | AN7213 | IC | 1 | |
| IC2 | RVIUPC1018CE | IC | 1 | |
| IC3 | RVIBA1330 | IC | 1 | |
| IC101, 201 | NE646B | IC | 2 | |
| IC102, 202 | BA532S | IC | 2 | |
| IC301 | RVIBA336 | IC | 1 | |
| Q1,2 | 2SC829 | Transistor (Si) | 2 | |
| Q101,103, 203,205, | 105,108,201, 208 | | | |
| | 2SC1327 | Transistor (Si) | 8 | |
| Q102,104, 202,204, | 106,109,112,113, 206,209,212,213 | | | |
| | 2SC1684 | Transistor (Si) | 10 | |
| Q107,110, 211,214, | 111,114,207,210, 304,305,306 | | | |
| | 2SC828 | Transistor (Si) | 11 | |
| Q301,302 | 2SC1317 | Transistor (Si) | 2 | |
| Q303 | 2SA564 | Transistor (Ge) | 1 | |
| Q307 | 2SC1226 | Transistor (Si) | 1 | |
| Q308,309 | 2SD592 | Transistor (Si) | 2 | |
| D1 | RVDSD113 | Diode (Si) | 1 | S |

| Ref. No. | Part No. | Part Name & Description | Per Set | Remarks |
|---|---|---|---|---|
| D2,8,101∿ | 104,201∿204 | | | |
| | MA161 | Diode (Si) | 12 | |
| D3,4 | 2OA90 | Diode (Ge) | 2 | S |
| D5,6,7,9, | 105,205 | | | |
| | OA90 | Diode (Ge) | 6 | S |
| D303 | MA27A1TA | Diode (Si) | 1 | |
| D304,305 | RVDKB262D | Diode (Si) | 2 | |
| D306 | LN217RP | LED (Ga) | 1 | |
| D307 | MA1075TA | Diode (Si) | 1 | |
| D308 | MA1110TA | Diode (Si) | 1 | |
| D309,311 | LN230RPP | LED (Ga) | 2 | |
| D310 | LN220RP | LED (Ga) | 1 | |
| D312,501∿ | 506 | | | |
| | SM112 | Diode (Si) | 7 | S |
| D313 | LN317GP | LED (Ga) | 1 | |
| | | COILS AND TRANSFORMERS | | |
| L2 | RLF6D11 | Antenna Coil, LW, MW | 1 | |
| L3 | QLA3M8 | Antenna Coil, SW | 1 | |
| L4 | RLD4Y44W | Tuning Coil, FM | 1 | |
| L5 | RLO4Y43W | Oscillator Coil, FM | 1 | |
| L7 | RLO1M4 | Oscillator Coil, LW | 1 | |
| L8 | RLO2M14 | Oscillator Coil, MW | 1 | |
| L9 | RLO3M31 | Oscillator Coil, SW | 1 | |
| L10 | RLM1Z4 | Trap Coil | 1 | |
| L11,12 | QLM1M2 | MPX Trap Coil | 2 | |
| L101,201 | QLQM1531 | Bias Trap Coil | 2 | |
| L103,203 | SLM1Z19 | Coil, Dolby Filter | 2 | |
| L301 | RLO9C23 | Bias Oscillator Coil | 1 | |
| T1 | RLI4M101 | IFT, FM | 1 | S |
| T2 | RLI4M511 | IFT, FM | 1 | |
| T3 | QLI2M102M | IFT, AM | 1 | |
| T4 | RLI2M402 | IFT, AM | 1 | S |
| T501 | RLT5L108 | Power Transformer | 1 | ⚠ |
| | | VARIABLE RESISTORS | | |
| VR1 | EVLS3AA00B14 | Variable Resistor, 10kΩ (B) | 1 | S |
| VR101, 201 | RVNAA24B1 | Variable Resistor, 20kΩ (B) | 2 | |
| VR104, 204 | RVNAA54B1 | Variable Resistor, 50kΩ (B) | 2 | |
| VR103, 203 | RVV14B130 | Variable Resistor, 10kΩ (B) | 1 | |
| VR102,105, | 202,205 | | | |
| | RVNAA15B1 | Variable Resistor, 100kΩ (B) | 4 | |
| VR400,401, | 450,451 | | | |
| | RVV54A117 | Variable Resistor, 50kΩ (A) | 2 | |
| VR402, 452 | RVV54A118 | Variable Resistor, 50kΩ (A) | 1 | |
| VR430 | RVV54W119 | Variable Resistor, 50kΩ (W) | 1 | |
| | | VARIABLE CAPACITORS | | |
| VC1∿4 | RCV4KC2V2K | Tuning Capacitor, w/Trimmer Capacitor (CT1∿3, 6) | 1 | |
| CT4 | RCV1PX20AGS | Trimmer Capacitor | 1 | |

| Ref. No. | Part No. | Part Name & Description | Per Set | Remarks |
|---|---|---|---|---|
| CT5,7,8 | RCV1PX10AGS | Trimmer Capacitor | 3 | |
| VC5 | ECV1YW02D73A | Fine Tuning | 1 | |
| | | CERAMIC FILTERS | | |
| CF1,2 | QVF107MA5W | Ceramic Filter | 2 | |
| CF3 | QCRZZ455A7W | Ceramic Filter | 1 | |
| | | COMPONENT COMBINATIONS | | |
| Z1 | RXABPMB3 | Component Combination | 1 | |
| Z2 | EXA5DL01CF | Component Combination | 1 | |
| | | THERMISTOR | | |
| Th301 | RRT202 | Thermistor | 1 | |
| | | SPEAKERS | | |
| | EAS5PH03SE | Speaker, 5cm (1-31/32"), 4Ω, Tweeter | 2 | |
| | EAS16P151SF | Speaker, 16cm (4"), 3Ω, Woofer | 2 | |
| | | SWITCHES | | |
| S1 | ESA2629 | Switch, Band | 1 | |
| S2 | RSS2B20Z | Switch, Din/Phone | 1 | |
| S3 | RSH2L02Z | Switch, Record/Playback | 1 | |
| S4 | RST2D15Y | Switch, Recording | 1 | |
| S5 | RST4F06Y | Switch, Tape | 1 | |
| S6 | RSS3A06Z | Switch, Beat Proof | 1 | |
| S7 | RSH2A02Z | Switch, Rec Mute | 1 | |
| S8, 9 | QSB0253 | Switch, Playback, FF/Rewind | 2 | |
| S10 | QSB0254 | Switch Playback | 1 | |
| S11 | RST3D10Z | Switch, Mode | 1 | |
| S12∿14 | ESB772024 | Switch, Function | 1 | |
| S15 | ESB6275 | Switch, TPS | 1 | |
| S16,17, 22 | ESB6249 | Switch, Dolby, Meter, Light | 1 | |
| S18 | RST2B22Y | Switch, Loudness | 1 | |
| S19 | RSR4A01W | Switch, Voltage Selector | 1 | |
| S20 | RSH2A10Z | Switch, Muting | 1 | ⚠ |
| | | JACKS | | |
| J101,201 | RJJ1D2Z | Jack, EXT MIC | 2 | |
| J102,202 | RJS9001Z | Jack, PHONO | 1 | |
| J103,203 | RJJ87Y | Jack, EXT SP | 2 | |
| J104 | RJS15A | Jack, DIN | 1 | |
| J301 | RJJ1E2Z | Jack, HEADPHONE | 1 | |
| | RJF1073Z | Jack, Phono Earth | 1 | |
| J501,502 | QJS0329 | Jack, AC/DC IN | 1 | ⚠ |
| | | RESISTORS (Value is in OHMS) | | |
| R6,13,15, 59,120,220 | ERD25FJ470 | 47 1/4W Carbon | 9 | S |
| R14 | ERD25FJ680 | 68 " " | 1 | S |
| R3,56 | ERD25FJ331 | 330 " " | 2 | S |
| R19,44,102 | ERD25FJ391 | 390 1/4W Carbon | 3 | S |
| R24,35, 43 | ERD25FJ681 | 680 " " | 3 | S |
| R7 | ERD25FJ273 | 27 k " " | 1 | S |
| R10,26,27,327 | ERD25TJ474 | 470 k " " | 4 | S |
| R45 | ERD25TJ683 | 68 k " " | 1 | S |
| R301 | ERD25FJ1R0 | 1 " " | 1 | S |
| R306 | ERD25FJ3R3 | 3.3 " " | 1 | S |
| R307 | ERD25FJ2R2 | 2.2 " " | 1 | S |
| R109,209 | ERD25FJ100 | 10 " " | 2 | S |
| R158,258 | ERD25FJ270 | 27 " " | 2 | S |
| R46,146,246 | ERD25FJ820 | 82 " " | 3 | S |
| R33,179,279,303,343 | ERD25FJ101 | 100 " " | 5 | S |
| R312 | ERD25FJ151 | 150 " " | 1 | S |
| R111,142,211 | ERD25FJ181 | 180 " " | 3 | S |
| R5,12,182,282,305, 330,334,344 | ERD25FJ221 | 220 " " | 8 | S |
| R4,322 | ERD25FJ471 | 470 " " | 2 | S |
| R157,159,257,259 | ERD25FJ821 | 820 " " | 4 | S |
| R22,25,37,55,127,161, 208,230,231,261,302,329, 332,333,402,403,452,453 | ERD25FJ102 | 1 k " " | 18 | S |
| R104,204 | ERD25FJ122 | 1.2 k " " | 2 | S |
| R57,331,335 | ERD25FJ152 | 1.5 k " " | 3 | S |
| R28,123,148,223 | ERD25FJ222 | 2.2 k " " | 4 | S |
| R152,252,310 | ERD25FJ272 | 2.7 k " " | 3 | S |
| R140,251,304,315 | ERD25FJ332 | 3.3 k " " | 4 | S |
| R21,47,138,147,156,160,247, 42,256,260,308,309,346 | ERD25FJ472 | 4.7 k " " | 14 | S |
| R60,321 | ERD25FJ562 | 5.6 k " " | 2 | S |
| R117,217,339,400,450 | ERD25FJ822 | 8.2 k " " | 5 | S |
| R139,239 | ERD25FJ682 | 6.8 k " " | 2 | S |
| R2,9,20,32,113,118,125,136,137, 144,149,162,213,218,225,236,237, 249,262,314,337,341,406,456 | ERD25FJ103 | 10 k " " | 24 | S |
| R320,405,455 | ERD25FJ123 | 12 k " " | 3 | S |
| R39,121,203,221,328,407,457 | ERD25FJ153 | 15 k " " | 7 | S |
| R110,210,338 | ERD25FJ223 | 22 k " " | 3 | S |

| Ref. No. | Part No. | Part Name & Description | Per Set | Remarks |
|---|---|---|---|---|
| R180,255,280,404,454 | | | | |
| | ERD25FJ333 | 33 k 1/4W Carbon | 5 | S |
| R16,135,153,235,253 | | | | |
| | ERD25FJ473 | 47 k " " | 5 | S |
| R112,134,163,212,234,263 | | | | |
| | ERD25TJ154 | 150 k " " | 6 | S |
| R154,254 | ERD25TJ184 | 180 k " " | 2 | S |
| R8,106,116,167,206,216, 267,326,342 | | | | |
| | ERD25TJ224 | 220 k " " | 9 | S |
| R133,233 | ERD25TJ274 | 270 k " " | 2 | S |
| R126,226 | ERD25TJ564 | 560 k " " | 2 | S |
| R141,241 | ERD25TJ105 | 1 M " " | 2 | S |
| R101,107,119,145,201, 207,219,245 | | | | |
| | ERD25TSJ105 | 1 M " " | 8 | S |
| R313 | ERC14GK106 | 10 M " Solid | 1 | S |
| | | CAPACITORS (Value is in MICRO FARADS except P.P=PICO FARADS) | | |
| C3,60,73 | ECCD1H030C | 3 P 50V Ceramic | 3 | |
| C21,63 | ECCD1H070DC | 7 P " " | 2 | |
| C1,65 | ECCD1H100KC | 10 P " " | 2 | |
| C2 | ECCD1H150KC | 15 P " " | 1 | |
| C5 | ECCD1H200JC | 20 P " " | 1 | |
| C7 | ECCD1H470KC | 47 P " " | 1 | |
| C39 | ECCD1H220KC | 22 P " " | 1 | |
| C16 | ECCD1H040C | 4 P " " | 1 | |
| C10,77 | ECCD1H050CC | 5 P " " | 2 | |
| C35 | ECCD1H330KC | 33 P " " | 1 | |
| C30 | ECCD1H560KC | 56 P " " | 1 | |
| C15 | ECCD1H180KC | 18 P " " | 1 | |
| C14 | ECCD1H220KC | 22 P " " | 1 | |
| C113,213 | ECCD1H680K | 68 P " " | 2 | |
| C36,106,111,115,206,211,215 | | | | |
| | ECCD1H101K | 100 P " " | 7 | |
| C28,168,268 | | | | |
| | ECCD1H181K | 180 P " " | 3 | |
| C172,272 | ECCD1H331K | 330 P " " | 2 | |
| C19,46,156,256,319, 321,514,517 | | | | |
| | ECKD1H103ZF | 0.01 " " | 10 | |
| C4,6,404,454 | | | | |
| | ECKD1H102MD | 0.001 " " | 4 | |
| C11,12,13,18,38,70,75,308 | | | | |
| | ECKD1H103MD | 0.01 " " | 8 | |
| C78,309 | ECKD1H472MD | 0.0047 " " | 2 | |
| C9,27,31,43,66,327,341 | | | | |
| | ECKD1H223ZF | 0.022 " " | 7 | |
| C169,269 | ECKD1H471KB | 470 P " " | 2 | |
| C102,114,118,127,141, 202,214,218,241 | | | | |
| | ECKD1H102ZF | 0.001 " " | 10 | |
| C122,123,171,222,223, 271,310,311 | | | | |
| | ECKD1H222MD | 0.0022 " " | 8 | |

| Ref. No. | Part No. | Part Name & Description | Per Set | Remarks |
|---|---|---|---|---|
| C115,225,402,452 | | | | |
| | ECKD1H682MD | 0.0068 50V Ceramic | 4 | |
| C24 | ECQS1H361JZ | 360 P " Styrol | 1 | |
| C55 | ECQS1H471JZ | 470 P " " | 1 | |
| C25 | ECQS1H392KZ | 3900 P " " | 1 | |
| C159,259 | ECQS1H392JZ | 3900 P " " | 2 | |
| C110,210 | ECQS1H331JZ | 330 P " " | 2 | |
| C305 | ECQS2B562JZ | 5600 P 25V " | 1 | |
| C55 | ECQS2B681JZ | 680 P " " | 1 | |
| C149,249 | ECQG05153MZ | 0.015 50V Polyester | 2 | |
| C304 | ECQG05683MZ | 0.068 " " | 1 | |
| C175,275,301 | | | | |
| | ECQG05224MZ | 0.22 " " | 3 | |
| C306 | ECQG05223MZ | 0.022 " " | 1 | |
| C134,234 | ECQG05273KZ | 0.027 " " | 2 | |
| C130,150,230,250 | | | | |
| | ECFVD472KA | 0.0047 25V Semi-Conductor | 4 | |
| C33,154,254 | | | | |
| | ECFVD103MD | 0.01 " " | 3 | |
| C42,56,57,121,221 | | | | |
| | ECFVD153MD | 0.015 " " | 5 | |
| C34,40,50,61,155,174, 255,274,400,450 | | | | |
| | ECFVD223MD | 0.022 " " | 10 | |
| C153,157,253,257 | | | | |
| | ECFVD333MD | 0.033 " " | 4 | |
| C53,62,139,173,239,273 | | | | |
| | ECFVD473MD | 0.047 " " | 6 | |
| C152,252 | ECFVD683MD | 0.068 " " | 2 | |
| C45,133,151,233,251,346 | | | | |
| | ECFVD104MD | 0.1 " " | 6 | |
| C105,205 | ECFVD683MD | 0.068 " " | 2 | |
| C136,236 | ECFVD562KA | 0.0056 " " | 2 | |
| C23 | ECMS05221JH | 220 P 50V Mica | 1 | |
| C26 | ECMS05151JH | 150 P " " | 1 | |
| C326 | ECSF16E47 | 47 16V Electrolytic | 1 | |
| C177,277 | ECEA1EN4R7S | 4.7 25V " | 2 | |
| C37 | ECEA1CS330 | 33 16V " | 1 | S |
| C17,52,329 | | | | |
| | ECEA50ZR47 | 0.47 50V " | 3 | S |
| C32,170,270,302,303, 316,334,336,345 | | | | |
| | ECEA1AS470 | 47 10V " | 9 | S |
| C167,267,312,313,342 | | | | |
| | ECEA1AS101 | 100 " " | 5 | S |
| C318,320 | ECEA1AS471 | 470 " " | 2 | S |
| C29,47,54,129,229, 315,337,344 | | | | |
| | ECEA1AS221 | 220 " " | 8 | S |
| C176,276 | ECEA1AS102 | 1000 " " | 2 | S |
| C112,116,147,212,216, 247,314,331 | | | | |
| | ECEA1ES100 | 10 25V " | 8 | S |
| C307,322,325,332 | | | | |
| | ECEA1ES101 | 100 " " | 4 | S |

| Ref. No. | Part No. | Part Name & Description | Per Set | Remarks |
|---|---|---|---|---|
| C323 | ECEA1CS221 | 220 16V Electrolytic | 1 | S |
| C335 | ECEA1ES220 | 22 25V " | 1 | S |
| C343 | ECEA1CS102 | 1000 16V " | 1 | S |
| C41,119,124,137,144,219,224,237,244,333 | ECEA25Z4R7 | 4.7 25V " | 10 | S |
| C108,143,208,243,403,405,453,455 | ECEA50ZR1 | 0.1 50V " | 8 | S |
| C51,103,109,203,209,401,451 | ECEA50ZR22 | 0.22 " " | 7 | S |
| C48,101,107,126,145,201,207,226,317,328,245,330,406,456 | ECEA50Z1 | 1 " " | 14 | S |
| C58,59,104,117,120,140,142,146,204,217,220,240,246 | ECEA50Z3R3 | 3.3 " " | 18 | S |
| C44,49,131,135,138,231,235,238 | ECEA1HS100 | 10 " " | 8 | S |
| C128,132,228,232 | ECEA50ZR33 | 0.33 " " | 4 | S |
| C324 | ECEA1CS332 | 3300 16V " | 1 | |
| | | CABINET PARTS | | |
| K1 | RYMX5600LSX8 | Front Cabinet Ass'y | 1 | |
| K1-1 | RBS164Z | Button, REC MUTE | 1 | |
| K1-2 | RKH100Z | Handle | 1 | |
| K1-3 | RKX189Z | Arm, Handle | 2 | |
| K1-4 | RKX184Z | Spacer, Arm | 2 | |
| K1-5 | QBP1817 | Stopper, Arm | 2 | |
| K1-6 | XTB3+8CFN | Screw, Handle M'tg | 2 | |
| K1-7 | RUS404Z | Spring, Button | 1 | |
| K2 | RYFX5600LSX7 | Rear Cabinet Ass'y | 1 | |
| K2-1 | RJF1065Z | Terminal, EXT Antenna | 3 | |
| K2-2 | RJT398A | Connecting Pipe | 1 | |
| K2-3 | QJB0116 | Terminal, Battery + Side | 1 | |
| K2-4 | RJC505Z | Spring, Battery - Side | 1 | |
| K2-5 | RJC931Z | Terminal, Battery +, - Side | 1 | |
| K2-6 | RJT698Z | Terminal, Telescopic Antenna | 1 | |
| K2-7 | RJS216Y | Socket, EXT Antenna | 1 | |
| K2-8 | RJT462Z | Terminal, Socket | 4 | |
| K3 | RYPX5600LSXG | Cassette Panel Ass'y | 1 | |
| K4 | RYNX5600N7 | Battery Cover Ass'y | 1 | |
| K5 | XEARR345CAN | Telescopic Antenna | 1 | |
| K6 | RBN489W | Knob, Bass, Treble, Balance | 3 | |
| K7 | RBN502V | Knob, Tuning | 1 | |
| K8 | RBN527Y | Knob, Record Level | 1 | |
| K9 | RBN529Y | Knob, Record Level | 1 | |
| K10 | RBN528Y | Knob, Volume | 1 | |
| K11 | RBN517V | Knob, Fine Tuning | 1 | |
| K12 | RBS162Y | Knob, Band | 1 | |
| K13 | RUV609Z | Cover, Headphone Jack | 1 | |
| K14 | XYN3+F16FN | Screw, Telescopic Antenna M'tg | 1 | |
| K15 | XTN35+50G | Screw, Cabinet M'tg | 7 | |
| | | ELECTRICAL PARTS | | |
| E1 | RZAX5600LSXG | Dial Chassis Ass'y | 1 | |
| E1-1 | RDR20-3 | Pulley, Dial | 3 | |
| E1-2 | RDY43Z | Shaft, Pulley | 3 | |
| E2 | RYDX5600LSXG | Dial Scale Ass'y | 1 | |
| E3 | RDR38Z | Pulley, Dial | 1 | |
| E4 | RNW150-2 | Washer, Pulley | 1 | |
| E5 | WM034AZ102 | Built-in Microphone | 2 | |
| E6 | QBG1526B | Cover, Microphone | 2 | |
| E7 | RSE69Z | Tape Counter | 1 | |
| E8 | RUA428Z | Counter Chassis | 1 | |
| E9 | QDB0207 | Belt, Counter | 1 | |
| E10 | XAMR48S250A | Pilot Lamp, Dial, Meter | 2 | |
| E11 | XAMR48S300A | Pilot Lamp, Dial | 1 | |
| E12 | RSM9504Y | Meter, TUNE/BATT, Level | 1 | |
| E13 | ESA3373B | Wire, Band Switch | 1 | |
| E14 | RJS171Z | Socket, 2 Pin | 2 | |
| E15 | RJS253Y | Socket, 3 Pin | 2 | |
| E16 | QJS1921TN | Socket, 3 Pin | 1 | |
| E17 | RJS216Y | Socket, 4 Pin | 3 | |
| E18 | RJS217Y | Socket, 5 Pin | 1 | |
| E19 | RJS112Y | Socket, 6 Pin | 2 | |
| E20 | QJS1922TN | Socket, 6 Pin | 1 | |
| E21 | RJS264Y | Socket, 8 Pin | 2 | |
| E22 | RJT462Z | Terminal, Socket | 55 | |
| E23 | QJT1054 | Terminal, Socket | 3 | |
| E24 | QJT1042 | Terminal, Socket | 6 | |
| E25 | RJP213Z | Plug, 2 Pin | 2 | |
| E26 | RJP137Z | Plug, 3 Pin | 2 | |
| E27 | QJP1921TN | Plug, 3 Pin | 1 | |
| E28 | RJP107Z | Plug, 4 Pin | 3 | |
| E29 | RJP134Z | Plug, 4 Pin | 1 | |
| E30 | RJP116Z | Plug, 5 Pin | 1 | |
| E31 | RJP142Z | Plug, 6 Pin | 1 | |
| E32 | RJP144Z | Plug, 6 Pin | 1 | |
| E33 | QJP1922TN | Plug, 6 Pin | 1 | |
| E34 | RJP171Z | Plug, 8 Pin | 2 | |
| E35 | RJT668Z | Connecting Terminal, 10 Pin | 2 | |
| E36 | XBA2C02SS0 | Fuse, T200mA | 1 | ⚠ |
| E37 | XBA2C20TR0 | Fuse, T2A | 1 | ⚠ |
| E38 | QTF1054 | Holder, Fuse | 4 | ⚠ |
| E39 | RUB220Z | Lever, Recording/Playback | 1 | |
| E40 | RUV586Z | Cover, Switch | 4 | |
| E41 | RUV603Z | Cover, AC 1N Jack | 1 | ⚠ |
| E42 | RUV387Z | Cover, Voltage Selector | 1 | ⚠ |
| E43 | QTS1442 | Shield Cover, Fine Tuning | 1 | |
| E44 | RDD655Z | Drum, Dial | 1 | |
| E45 | RDS4170A | Spring, Dial | 1 | |
| E46 | RDS3061A | Spring, R/P Lever | 1 | |
| E47 | RDT9120Z | Shaft, Tuning | 1 | |
| E48 | RDZ05Z | Cord, Dial | 1 ROLL | |

| Ref. No. | Part No. | Part Name & Description | Per Set | Remarks |
|---|---|---|---|---|
| E49 | RDV5Z | Belt, Dial | 1 | |
| E50 | RDP821Z | Pointer, Dial | 1 | |
| E51 | RBC262Z | Button, TPS, LIGHT etc. | 4 | |
| E52 | RBC263Y | Button, Function | 3 | |
| E53 | RBS163Y | Knob, RECORD, TAPE etc | 4 | |
| E54 | RJT202B | Terminal, Earth | 3 | |
| E55 | RMP142Z | Holder, LED | 1 | |
| E56 | RMP143Z | Holder, LED | 1 | |
| E57 | RMP151Z | Holder, LED | 1 | |
| E58 | RKE368Z | Jack Board | 1 | |
| E59 | RUL532Z | Bracket, Lead Wire | 3 | |
| E60 | RJT301-1 | Terminal, Earth | 1 | |
| E61 | RMC228A | Shield Cover, Circuit Board | 1 | |
| E62 | RMC171Y | Shield Cover, IC | 1 | |
| E63 | XTN26+6C | Screw, Counter Chassis M'tg | 2 | |
| E64 | XTN26+8C | Screw, Counter M'tg | 2 | |
| E65 | XTV3+10G | Screw, Speaker M'tg | 8 | |
| E66 | XTV3+12G | Screw, Circuit Board M'tg | 8 | |
| E67 | XTV3+12GR | Red Screw, Circuit Board M'tg | 20 | |
| E68 | XSN4+8S | Screw, Transformer M'tg | 2 | S |
| E69 | XWA4B | Washer | 2 | S |
| E70 | XWT4 | Washer | 2 | S |
| E71 | XSN3+6S | Screw, Heat Sink, Lever Switch M'tg | 10 | S |
| E72 | XWA3B | Washer | 2 | S |
| E73 | XSN26+8 | Screw, Drum M'tg | 1 | S |
| E74 | XWA26B | Washer | 1 | S |
| E75 | XWG3F13 | Washer, R/P Lever etc. | 4 | S |
| E76 | XNS9 | Nut, Recording Volume M'tg | 1 | S |
| E77 | XNG6E | Nut, Tuning Shaft M'tg | 1 | S |
| E78 | XNS8D | Nut, Volume, Tone etc. M'tg | 6 | |
| | | ACCESSORIES | | |
| | RJN23Z | Cassette Tape | 1 | |
| | RJA20Z | Power Cord, AC | 1 | S ⚠ |
| | RQE13Z | Caution Tag | 1 | |
| | | PACKING MATERIALS | | |
| | RPP352Z | Polyethylene Cover | 1 | |
| | RPN9338Z | Pad Complete | 1 | |
| | RPK1014Z | Gift Box | 1 | |
| | RPN3132Z | Pad | 2 | |
| | RPN3102Z | Pad | 1 | |
| | RPG2325Z | Packing Case | 1 | |
| | RPN3070Z | Pad | 1 | |
| | | PRINTED MATERIAL | | |
| | RQX6617Z | Instruction Book | 1 | |



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Printed in Japan